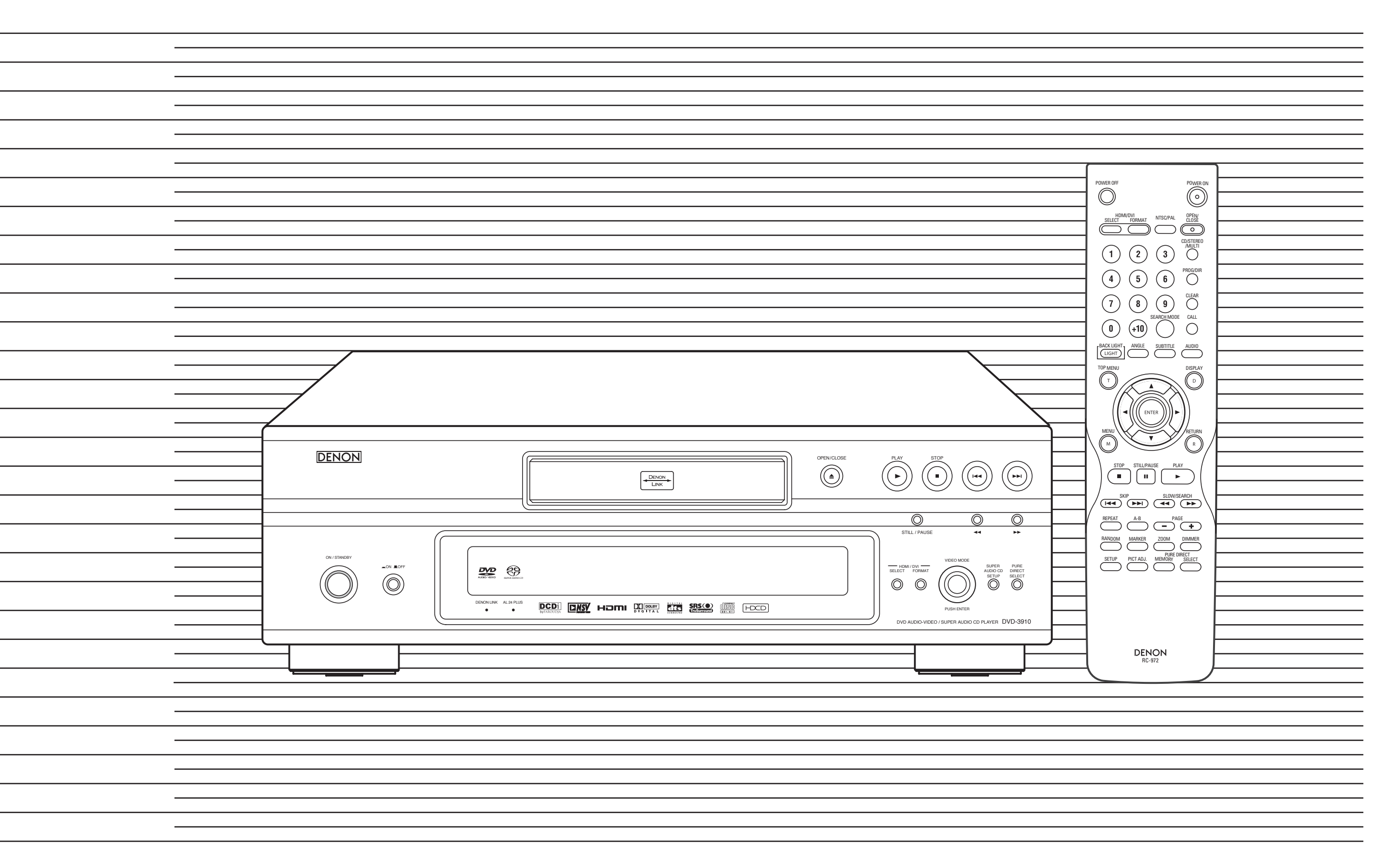
DENON

DVD AUDIO-VIDEO / SUPER AUDIO CD PLAYER
DVD 音頻–視頻 / 超級 CD 播放機

DVD-3910

OPERATING INSTRUCTIONS
操作說明書



FOR ENGLISH READERS	PAGE 6	～	PAGE 81
中　　文	第 82 頁	～	第 157 頁

IMPORTANT TO SAFETY

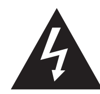
WARNING:
TO PREVENT FIRE OR SHOCK HAZARD, DO NOT EXPOSE THIS APPLIANCE TO RAIN OR MOISTURE.

CAUTION:

1. **Handle the power supply cord carefully**
   Do not damage or deform the power supply cord. If it is damaged or deformed, it may cause electric shock or malfunction when used. When removing from wall outlet, be sure to remove by holding the plug attachment and not by pulling the cord.
2. **Do not open the top cover**
   In order to prevent electric shock, do not open the top cover.
   If problems occur, contact your DENON DEALER.
3. **Do not place anything inside**
   Do not place metal objects or spill liquid inside the DVD video player.
   Electric shock or malfunction may result.

Please, record and retain the Model name and serial number of your set shown on the rating label.
Model No. DVD-3910　　Serial No. ____________

NOTE:
This DVD video player uses the semiconductor laser. To allow you to enjoy music at a stable operation, it is recommended to use this in a room of 5 °C (41 °F) ~ 35 °C (95 °F).



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK, DO NOT REMOVE COVER (OR BACK). NO USER SERVICEABLE PARTS INSIDE. REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.



The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.



The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

CLASS 1 LASER PRODUCT
LUOKAN 1 LASERLAITE
KLASS 1 LASERAPPARAT

"CLASS 1
LASER PRODUCT"



ADVARSEL: **USYNLIG LASERSTRÅLING VED ÅBNING, NÅR SIKKERHEDSAFBRYDERE ER UDE AF FUNKTION. UNDGÅ UDSAETTELSE FOR STRÅLING.**

VAROITUS! **LAITTEEN KÄYTTÄMINEN MUULLA KUIN TÄSSÄ KÄYTTÖOHJEESSA MAINITULLA TAVALLA SAATTAA ALTISTAA KÄYTTÄJÄN TURVALLISUUSLUOKAN 1 YLITTÄVÄLLE NÄKYMÄTTÖMÄLLE LASERSÄTEILYLLE.**

VARNING- **OM APPARATEN ANVÄNDS PÅ ANNAT SÄTT ÄN I DENNA BRUKSANVISNING SPECIFICERATS, KAN ANVÄNDAREN UTSÄTTAS FÖR OSYNLIG LASERSTRÅLNING SOM ÖVERSKRIDER GRÄNSEN FÖR LASERKLASS 1.**

安全注意事項

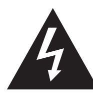
警告：
為防止火災或電擊，請勿將本機暴露于雨中或潮濕的處所。

注意：

1. **小心處理電源軟線**
   請勿損壞或使電源軟線變形，如發生損壞或變形，會在使用中導致電擊或不正常運作。
   從牆上插座拔出電源軟線時，請確認握住插頭而非電源軟線。
2. **請勿打開機蓋**
   爲防止電擊，請勿打開機蓋。
   發生問題，請與天龍代理商聯絡。
3. **請勿放入任何物件**
   請勿在機內放入金屬物件防止濺入液體。
   這都會造成電擊或操作不良。

請記錄并保存等級標簽上注明的型號及序列號。
型號　DVD-3910　　序號：____________

注：
本　DVD　機使用半導體輻射，爲使您正常欣賞音樂，我們建議在　5℃（41°F）－31℃（95°F）室溫下使用本機。



CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN



注意：為減少觸電危險，切勿拆下機殼（或機背）。機身內并無用戶修理所需零件。如需修理請交由專業修理人員修理本機。



三角形內有箭頭的閃電符號皆在提醒用戶，本產品機殼內有未經絕緣的“危險電壓”，其足以使人觸電而發生危險。

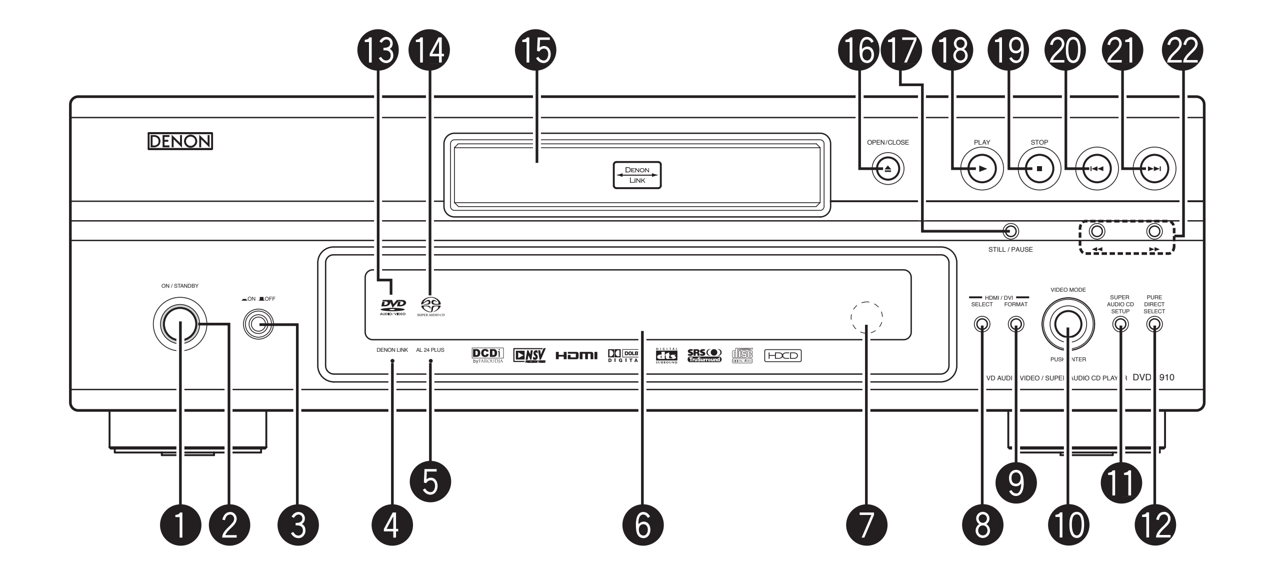


三角形內加感嘆號皆在提醒用戶，有重要的操作與維修說明書配合本機。

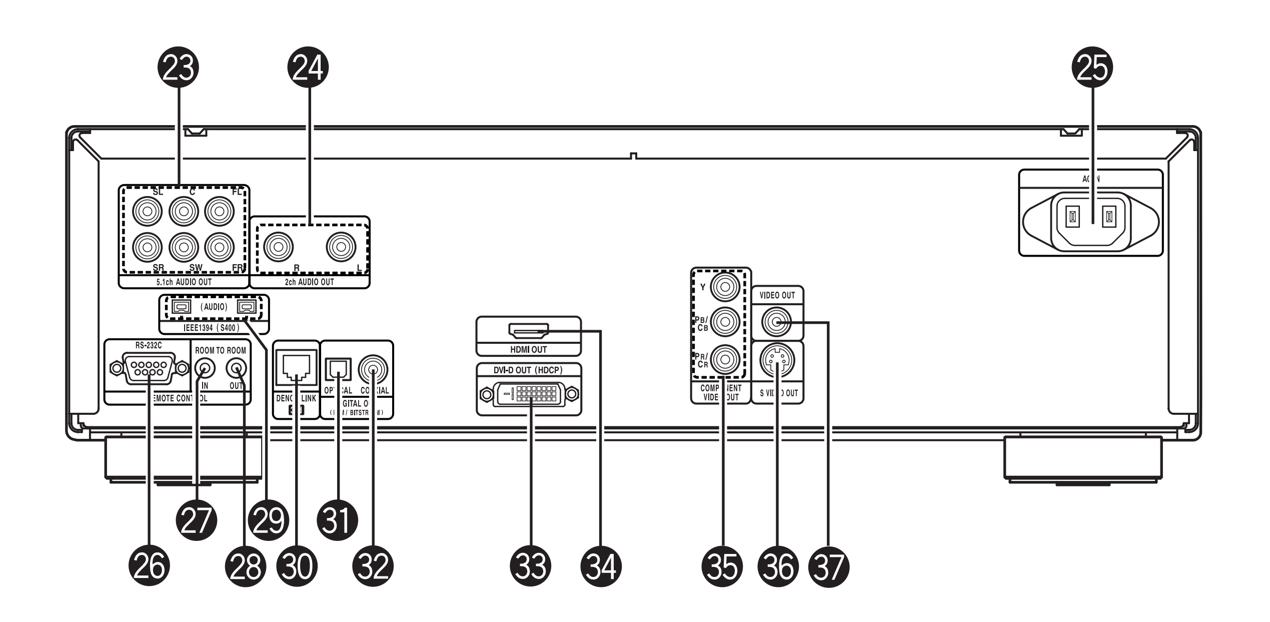
注意：

爲防觸電，切勿將此（有極性的）插頭隨意配用延長電線，插座或其它電源插口，除非各插腳能完全插到底而不露出金屬部分。

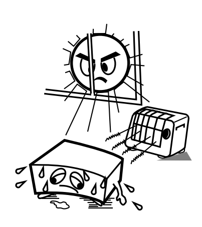
FRONT PANEL
前面板



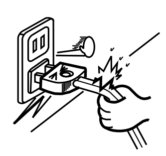
REAR PANEL
後面板



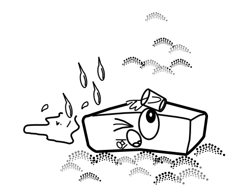
NOTE ON USE



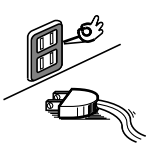
- Avoid high temperatures.
  Allow for sufficient heat dispersion when installed on a rack.



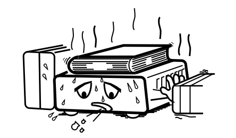
- Handle the power cord carefully.
  Hold the plug when unplugging the cord.



- Keep the set free from moisture, water, and dust.

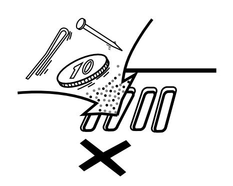


- Unplug the power cord when not using the set for long periods of time.



✻ (For sets with ventilation holes)

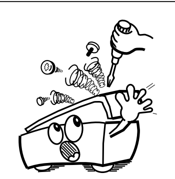
- Do not obstruct the ventilation holes.



- Do not let foreign objects in the set.



- Do not let insecticides, benzene, and thinner come in contact with the set.



- Never disassemble or modify the set in any way.

CAUTION:
- The ventilation should not be impeded by covering the ventilation openings with items, such as newspapers, table-cloths, curtains, etc.
- No naked flame sources, such as lighted candles, should be placed on the apparatus.
- Please be care the environmental aspects of battery disposal.
- The apparatus shall not be exposed to dripping or splashing for use.
- No objects filled with liquids, such as vases, shall be placed on the apparatus.

Copyrights

■ It is prohibited by law to reproduce, broadcast, rent or play discs in public without the consent of the copyright holder.

Selecting the type of disc for the type of connected TV

Both DVD discs and video CDs have the material recorded in the PAL and NTSC systems. Refer to the table below to select the correct disc type for the type of connected TV. Set the “TV TYPE” in “VIDEO SETUP” in “SETUP” to comply with your TV’s video format. (See page 37.)

■ Connecting to the Multi-system TV

Disc	TV Monitor
PAL	Played in the PAL system.
NTSC	Played in the NTSC system.

■ Connecting to the NTSC TV

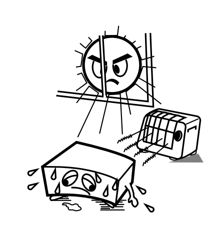
Disc	TV Monitor
PAL	No clear images are shown on the screen.
NTSC	Played in the NTSC system.

■ Connecting to the PAL TV

Disc	TV Monitor
PAL	Played in the PAL system.
NTSC	No clear images are shown on the screen.

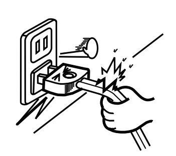
NOTE:
When a disc which does not comply with Video CD standard is played, the bottom part of the picture may disappear.

使用注意事項



防止高溫
- 勿將本機放置於受烈日暴曬或靠近發熱器材的位置。

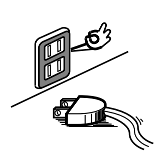
機架 / 機箱安裝注意
- 避免將本機裝於密閉的機架內。
- 裝於機架或機箱時，要配備足夠大的通風孔，以加強散熱。



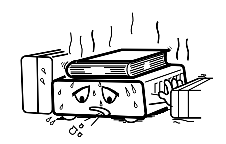
留意電源線
- 從插座撥出插頭時切勿拉電源軟線，應該握住插頭將其撥出。



注意濕汽，水和塵
- 勿將本機放置於濕度很高或多塵的位置。花瓶或其它有水的物件均不宜擺在本機上方。

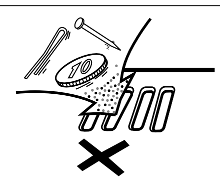


當你外出時
- 長時間不用本機時，例如外出旅行時，須將插頭撥離電源插座。

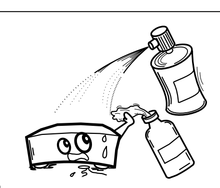


＊（備有通風孔的機殼）

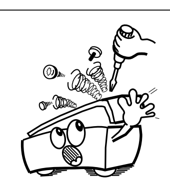
勿堵塞機殼的通風孔
- 堵塞通風孔會損壞本機。
- 各通風孔對本機內部散熱異常重要。必須特別留意，若通風孔有物件阻擋，就會使機內溫度升得很高。



勿讓雜物掉入機內
- 特別要留意勿讓針，發夾，硬幣等進入本機。



保護機殼
- 避免在本機附近噴灑殺蟲劑，也勿用汽油，天拿水或其它溶劑抹拭機箱，因爲這些溶液易引起品質或顏色的改變。抹塵要用軟布，在用化學處理過的布揩抹時請小心遵守說明書規定。



勿打開機殼
- 打開機殼頂蓋或底板，及把手伸入機殼內都是危險的。切勿打開機殼。如果本機表現有所不妥時，應立即撥下電源插頭，再與購入本機的商店或鄰近的經銷商聯絡。

版　權

■ 根據法律，禁止未經版權所有人同意復制，廣播，出租或在公共場所播放碟片。

根據所接電視機的型號選擇碟片類型

DVD 及 VCD 碟片上都有用 PAL 及 NTSC 制式錄制的節目，請參閱下表選擇與所接電視機型號相應的碟片類型。通過設置使“設置（SETUP）”中“視頻設置（VIDEO SETUP）” 的“TV 類型（TV TYPE）”與電視機的視頻制式相符。（參閱第 113 頁。）

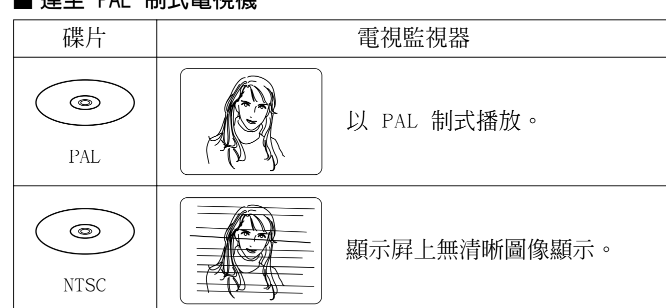
■ 連至多制式電視機

碟片	電視監視器
PAL	以 PAL 制式播放。
NTSC	以 NTSC 制式播放。

■ 連至 NTSC 制式電視機

碟片	電視監視器
PAL	顯示屏上無清晰圖像顯示。
NTSC	以 NTSC 制式播放。

■ 連至 PAL 制式電視機



碟片	電視監視器
PAL	以 PAL 制式播放。
NTSC	顯示屏上無清晰圖像顯示。

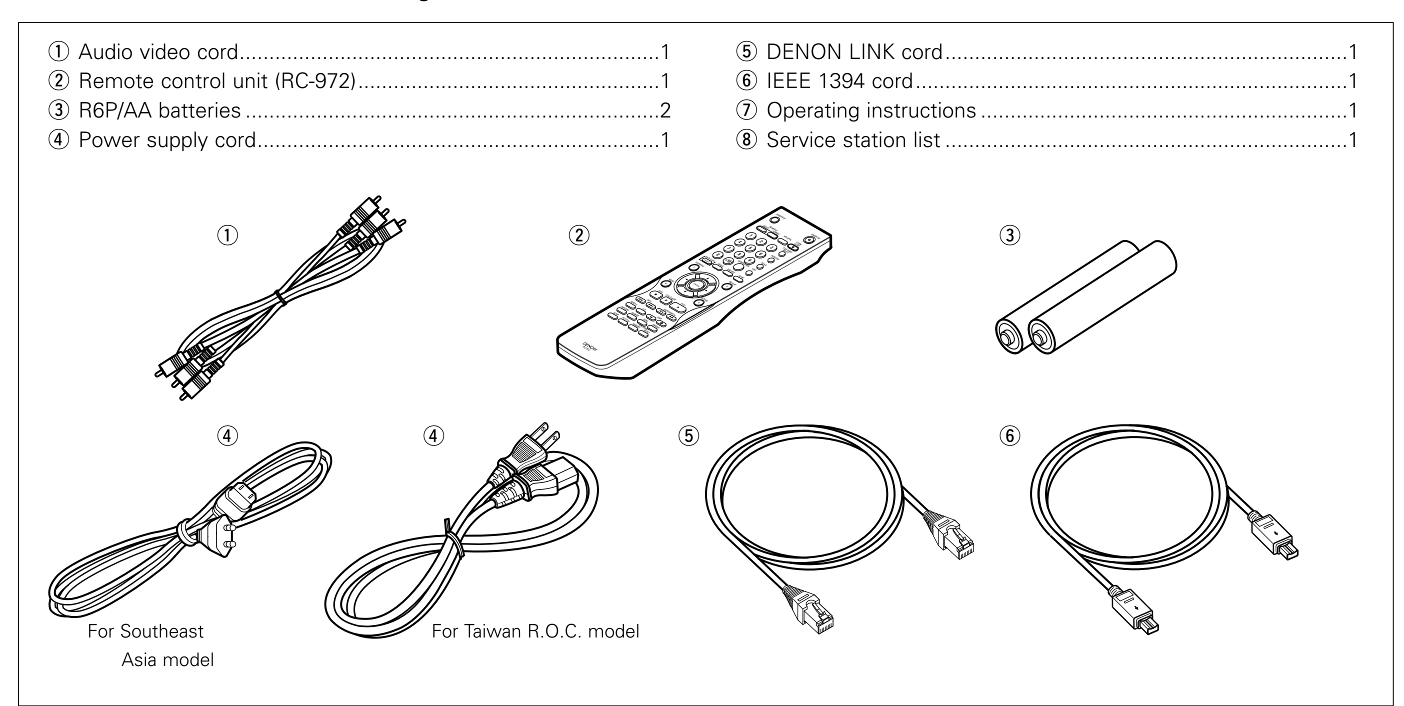
注：
播放不符合 VCD 標准的碟片時，圖像的底部無法顯示。

— TABLE OF CONTENTS —

• ACCESSORIES

Please check to make sure the following items are included with the main unit in the carton:

① Audio video cord 1
② Remote control unit (RC-972) 1
③ R6P/AA batteries 2
④ Power supply cord 1
⑤ DENON LINK cord 1
⑥ IEEE 1394 cord 1
⑦ Operating instructions 1
⑧ Service station list 1



1 FEATURES

1. Digital transfer connectors

The DVD-3910 can be connected to another digital transfer compatible Denon component (AV amplifier, etc.) using a single cable (included) for high quality digital sound with little transfer loss.

(1) Denon Link terminal
This terminal can be used for digital transfer of not only DVD video signals, but also multi-channel audio signals of DVD audio.

(2) IEEE 1394 terminal
This terminal can be used for digital transfer of not only DVD video signals, but also DVD audio signals, Super Audio CD signals and other multi-channel audio signals.

Digital transfer of video signals is possible by connecting an HDCP compatible display device equipped with one of the connectors below using a special cable.
When playing DVD AUDIO with CPPM, the video signal cannot be output, and then the audio signal cannot be output from the HDMI connector too.

(3) HDMI connector
Digital video signals are transferred in color space (Y/Cb/Cr) or RGB.
The audio signals can be transferred simultaneously, so both audio and video signals can be transferred with a single cable.

(4) DVI-D connector
Digital video signals are transferred in RGB.

2. Super Audio CD multi-channel playback compatibility
In addition to playing DVD audio and video discs, the DVD-3910 can play multi-channel Super Audio CDs with a playback frequency range covering 100 kHz and a dynamic range of 120 dB or greater within the audible frequency range, and a maximum of 5.1 channels can be output.

3. AL24 Processing Plus at all channel
AL24 Processing Plus compensates the input digital data to reproduce the sound with analog waveforms as close as possible to those existing in nature and with 24-bit quality. The result is increased musical reproduction capabilities of reverberations, etc., at low levels, for a sound that seems to draw you into the concert hall.
Equipped for not only the left and right channels but also for the front left and right, the surround left and right, center and subwoofer channels.

4. High precision 24-bit D/A converter
The audio playback circuit includes an advanced segment type D/A converter with the high technical specifications in the business, manufactured by Burr-Brown, a company with an established reputation for D/A converters. This high performance D/A converter allows not only input of the 24-bit/192 kHz data of DVD-Audio discs, it also includes an analog pure FIR filter for ideal DSD playback of Super Audio CDs. Furthermore, the same DAC is used unsparingly for the front, the surround, center and LFE channels to provide optimum sound quality during multi-channel playback as well.

5. HDCD® (High Definition Compatible Digital®) decoder (NOTE 1)
HDCD is an encoding/decoding technology that greatly reduces the distortion occurring at the time of digital recording while maintaining compatibility with the conventional CD format. HDCD allows 24-bit data to be converted into the 16-bit data of current CDs with no loss in sound quality.
The use of this HDCD decoder makes it possible to achieve the high resolution and low distortion characteristic of HDCD when playing HDCD-compatible discs, and DENON's digital technology optimizes the high sound quality possibilities of HDCD technology. Furthermore, normal CDs and HDCD-compatible CDs are automatically identified, and the optimum digital signal processing for that type of disc is used.

6. Dolby Digital/DTS decoder (NOTE 2, 3)
The DVD-3910 is equipped with a built-in Dolby Digital/DTS decoder, allowing you to recreate the atmosphere of a movie theater or concert hall when using the DVD-3910 in combination with an AV amplifier and speakers.

7. Progressive Scan circuit "DCDi™" (NOTE 4)
The DVD-3910 is equipped with a high precision Progressive Scan circuit "DCDi™" allowing it to reproduce movies and other images on DVDs with a quality near that of the original.

8. Newly developed video processing circuit
The differences in brightness and color level between adjacent picture elements in the horizontal, vertical and diagonal directions are detected to adjust the contours. The brightness signal and color signal are processed separately, resulting in natural, clear images.

9. 12-bit/216 MHz video D/A converter (NOTE 5)
The DVD-3910 uses a video D/A converter that conducts D/A conversion of all video signals at 12 bits and allows 8X oversampling in the progressive mode to achieve the high quality picture that DVDs are meant to provide. In addition, NSV technology reduces noise upon D/A conversion.

10. Thorough vibration-resistant design
(1) Mechanism using a hybrid loader.
(2) The pickup mechanism is positioned at the center to reduce the effects of external vibrations.
(3) A heavyweight chassis and low center of gravity make for a low vibration design.

11. Multiple functions
(1) Still picture playback function
Kodak Picture CD **(NOTE 6)** and Fujifilm Fujicolor CD **(NOTE 7)** can be played on the DVD-3910.
Still images stored in JPEG format on CD-R/RWs can also be played.
(2) Windows Media™ playback function **(NOTE 8)**
Windows Media™ CDs can be played on the DVD-3910.
(3) Multiple audio function
Selection of up to 8 audio languages.
(The number of languages offered differs from DVD to DVD.)
(4) Multiple subtitle function
Selection of up to 32 subtitle languages.
(The number of languages offered differs from DVD to DVD.)
(5) Multiple angle function
The angle of view can be changed.
(For DVDs on which multiple angles are recorded.)
(6) GUI (Graphical User Interface) function
The DISPLAY button on the remote control unit can be used to display player and disc information on the TV screen.
(7) Marker function
The positions of up to five scenes can be stored in the memory, so you can watch your favourite scenes whenever you want.
(8) Playback disable function
This function can be used to disable playback of DVDs you do not want children to watch.

NOTES:
1. HDCD®, HDCD®, High Definition Compatible Digital® and Microsoft® are either registered trademarks or trademarks of Microsoft Corporation, Inc. in the United States and/or other countries. HDCD system manufactured under license from Microsoft Corporation, Inc. This product is covered by one or more of the following: In the USA: 5,479,168, 5,638,074, 5,640,161, 5,808,574, 5,838,274, 5,854,600, 5,864,311, 5,872,531, and in Australia: 669114. Other patents pending.
2. Manufactured under license from Dolby Laboratories. "Dolby" and the double-D symbol are trademarks of Dolby Laboratories.
3. "DTS" and "DTS Digital Surround" are registered trademarks of Digital Theater Systems, Inc.
4. "DCDi™" is trademark of Faroodja, a division of Genesis Microchip Inc.
5. "NSV" is a trademark of Analog Devices, Inc.
6. "KODAK" is a trademark of Eastman Kodak Company.
7. "FUJICOLOR CD" is a trademark of Fuji Photo Film Co, Ltd.
8. "Windows Media™", "Windows™"are a trademarks of Microsoft Corporation, Inc.

2 DISCS

- The types of discs listed on the table below can be used on the DVD-3910.
  The marks are indicated on the disc labels or jackets.

Usable discs	Mark (logo)	Recorded signals	Disc size
DVD video DVD audio (NOTE 1) DVD-R DVD-RW (NOTE 2)		Digital audio + digital video (MPEG2)	12 cm 8 cm
Super audio CD		Digital audio	12 cm
Video CD (NOTE 1)		Digital audio + digital video (MPEG1)	12 cm 8 cm
CD CD-R CD-RW (NOTE 3)		Digital audio MP3 Digital picture (JPEG)	12 cm 8 cm
Picture CD		JPEG	12 cm
Fujicolor CD		JPEG	12 cm
WMA (Windows Media Audio)		Digital audio	12 cm

■ The following types of discs cannot be played on the DVD-3910:

- DVDs with region numbers other than “1” or “ALL”
- DVD-ROM/RAMs
- CD-ROMs (unless MP3, JPEG, WMA Files)
- CVD/VSDs
- CDVs (Only the audio part can be played.)
- CD-Gs (Only the audio is output.)
- Photo CDs

NOTE 1: Some DVD audio, DVD video and video CD discs do not operate as described in this manual due to the intentions of the discs’ producers.

NOTE 2: Playing DVD-R and DVD-RW discs
DVD-R and DVD-RW discs recorded in video format on a DVD recorder can be played on the DVD-3910.
Discs that have not be finalized cannot be played.
Depending on the disc’s recording status, the disc may not be accepted or may not be played normally (the picture or sound may be not be smooth, etc.).

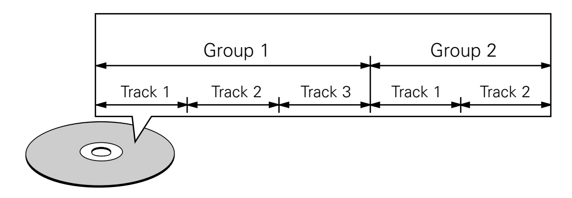
NOTE 3: According to recording quality, some CD-R/RW cannot be played.

NOTE:
- This DVD player is designed and manufactured to respond to the Region Management Information that is recorded on a DVD disc.
  If the Region number described on the DVD disc does not correspond to the Region number of this DVD player, this DVD player cannot play this disc.
  The Region number for this DVD player is 3.

■ Disc terminology

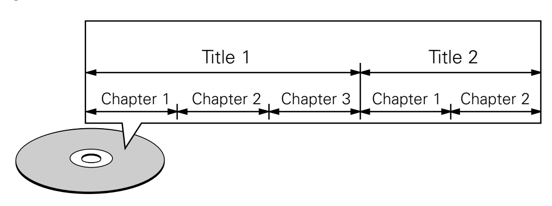
- **Groups and tracks (DVD-audios)**
  DVD-audios are divided into several large sections called “groups” and smaller sections called “tracks”.
  Numbers are allotted to these sections. These numbers are called “group numbers” and “track numbers”.

For example:



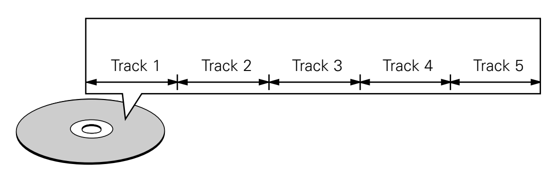
- **Titles and chapters (DVD-videos)**
  DVD-videos are divided into several large sections called “titles” and smaller sections called “chapters”.
  Numbers are allotted to these sections. These numbers are called “title numbers” and “chapter numbers”.

For example:



- **Tracks (Super audio CDs, video and music CDs)**
  Super audio CDs, video and music CDs are divided into sections called “tracks”.
  Numbers are allotted to these sections. These numbers are called “track numbers”.

For example:

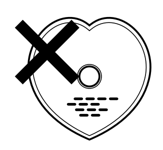
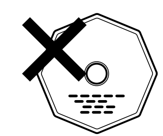


- **Playback control (video CDs)**
  Video CDs including the words “playback control” on the disc or jacket are equipped with a function for displaying menus on the TV screen for selecting the desired position, displaying information, etc., in dialog fashion.
  In this manual, playing video CDs using such menus is referred to “menu playback”.
  Video CDs with playback control can be used on the DVD-3910.

3 CAUTIONS ON HANDLING DISCS

Discs

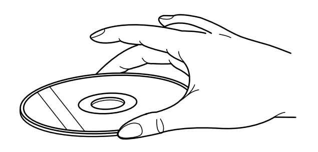
Only the discs including the marks shown on page 8 can be played on the DVD-3910.
Note, however, that discs with special shapes (heart-shaped discs, hexagonal discs, etc.) cannot be played on the DVD-3910. Do not attempt to play such discs, as they may damage the player.

Holding Discs

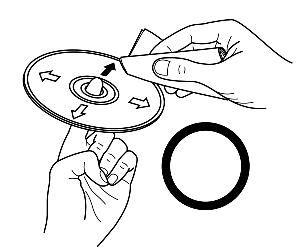
Avoid touching the surface of discs when loading and unloading them.

Be careful not to get fingerprints on the signal surface (the side which shines in rainbow colors).

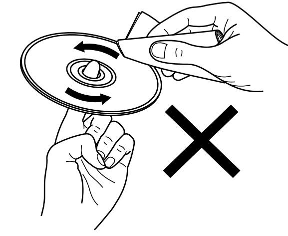


Cleaning Discs

■ Fingerprints or dirt on the disc may lower sound and picture quality or cause breaks in playback. Wipe off fingerprints or dirt.
■ Use a commercially available disc cleaning set or a soft cloth to wipe off fingerprints or dirt.

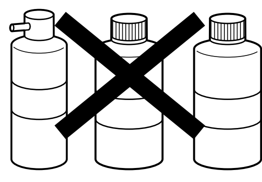


Wipe gently from the middle outwards.



Do not wipe with a circular motion.

NOTE:
- Do not use record spray or antistatic. Also do not use volatile chemicals such as benzene or thinner.



Cautions on Handling Discs

- Do not get fingerprints, grease or dirt on discs.
- Be especially careful not to scratch discs when removing them from their cases.
- Do not bend discs.
- Do not heat discs.
- Do not enlarge the center hole.
- Do not write on the labeled (printed) side with a ball-point pen or a pencil.
- Water droplets may form on the surface if the disc is moved suddenly from a cold place to a warm one. Do not use a hairdryer, etc., to dry the disc.

Cautions on Storing Discs

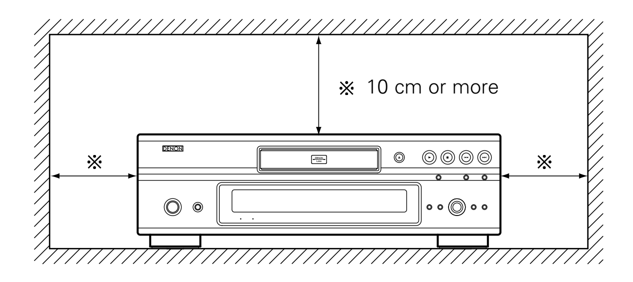
- Always eject discs after playing them.
- Keep discs in their cases to protect them from dust, scratches and warping.
- Do not put discs in the following places:
  1. Places exposed to direct sunlight for long periods of time
  2. Humid or dusty places
  3. Places exposed to heat from heaters, etc.

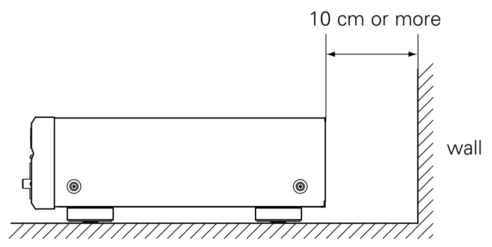
Cautions on Loading Discs

- Only load one disc at a time. Loading one disc on top of another may result in damage or scratch the discs.
- Load 8 cm discs securely in the disc guide, without using an adapter. If the disc is not properly loaded, it may slip out of the guide and block the disc tray.
- Be careful not to let your fingers get caught when the disc tray is closing.
- Do not place anything but discs in the disc tray.
- Do not load cracked or warped discs or discs that have been fixed with adhesive, etc.
- Do not use discs on which the adhesive part of cellophane tape or glue used to attach the label is exposed, or discs with traces of tape or labels that have been peeled off. Such discs may get stuck inside the player, resulting in damage.

CAUTIONS ON INSTALLATION

For heat dispersal, leave at least 10 cm of space between the top, back and sides of this unit and the wall or other components.





4 CONNECTIONS

NOTES:

- Read the manuals of all the components when making connections.
- Keep the power supply cord unplugged until all connections have been completed.
- If the power is on when connections are made, noise may be generated and damage the speakers.
- Be sure to connect the left and right channels properly, L (left) to L, R (right) to R.
- Plug the power supply cord securely into the power outlet. Incomplete connection may result in noise.
- Binding the power supply cord together with connection cords may result in humming or noise.

(1) Connecting to a TV

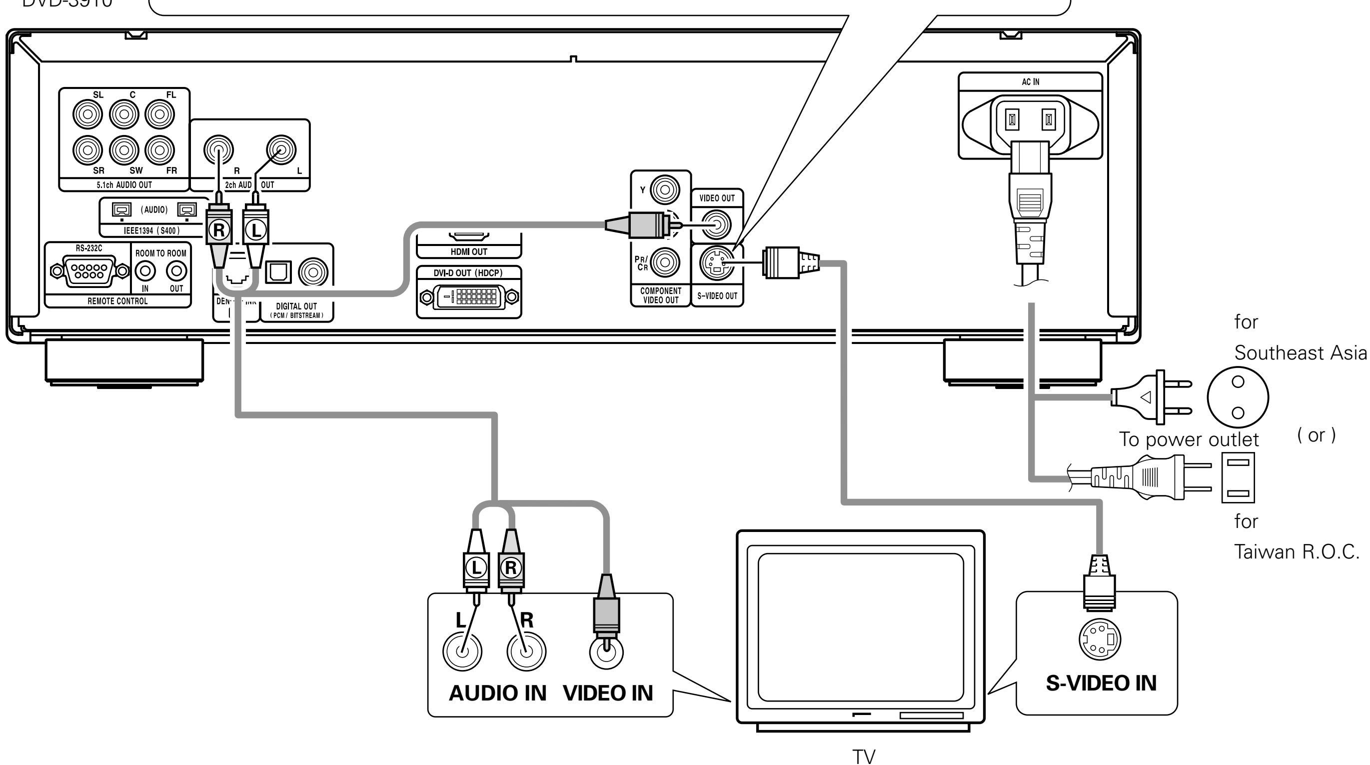
- Use the included audio video cord to connect the TV's video input connector and audio input connectors to the DVD-3910's VIDEO OUT or S-VIDEO OUT and AUDIO OUT.

S-Video output connector

The video signals are divided into color (C) and brightness (Y) signals, achieving a clearer picture.

If the TV is equipped with an S-Video input connector, we recommend connecting it to the DVD-3910's S-Video output connector using a commercially available S-Video connection cord.

DVD-3910



NOTES:

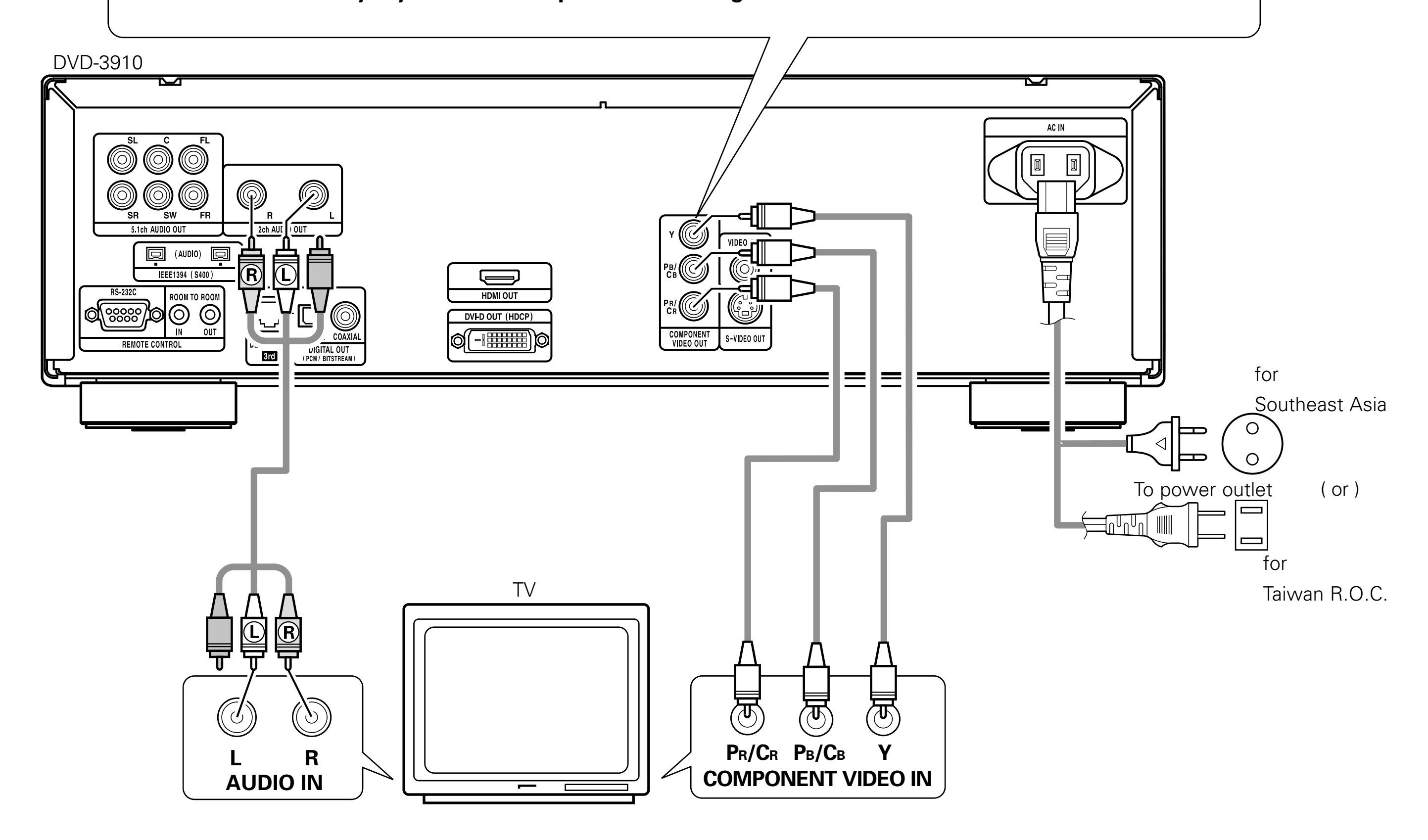
- Connect the DVD-3910's video outputs to the TV either directly or through an AV amplifier. Do not connect it via a VCR (video cassette recorder). Some discs contain copy prohibit signals. If such discs are played via a VCR, the copy prohibit system may cause disturbance in the picture.
- Set the "TV TYPE" in "VIDEO SETUP" in "SETUP" to comply with your TV's video format. When the TV is NTSC formatted set to NTSC. (See pages 36, 37.)
- To use with 5.1ch audio output, set "2CH (SRS OFF)" or "2CH (SRS ON) " under "AUDIO CHANNEL" in "AUDIO SETUP" on the "SETUP" menu to the initial settings. (See page 38.)
- Set the "TV ASPECT" in "VIDEO SETUP" in "SETUP" to comply with your TV's aspect. (See page 36.)
- To use with video out or s-video output, set "INTERLACED" in "VIDEO OUT" in "VIDEO SETUP" in "SETUP" at the initial settings. (See pages 36, 37.)

(2) Connecting to a TV or Monitor Equipped with Color Component Input Connectors

Color component output connectors (PR/CR, PB/CB and Y)

The red (PR/CR), blue (PB/CB) and brightness (Y) signals are output independently, achieving more faithful reproduction of the colors.

- The color component input connectors may be marked differently on some TVs or monitors (PR, PB and Y/R-Y, B-Y and Y/CR, CB and Y, etc.). For details, refer to the TV's operating instructions.
- **Connect in this way if your TV is compatible with Progressive Scan.**



NOTES:

- Use the three commercially available video cords to connect the DVD-3910's color component output connectors to the TV or monitor.
- Set the "TV TYPE" in "VIDEO SETUP" in "SETUP" to comply with your TV's video format. When the TV is NTSC formatted set to NTSC. (See pages 36, 37.)
- Set the "VIDEO OUT" in "VIDEO SETUP" in "SETUP" to comply with Progressive TV.
- To use with 5.1ch audio output, set "2CH (SRS OFF)" or "2CH (SRS ON)" in "AUDIO CHANNEL" in "AUDIO SETUP" in "SETUP" at the initial settings. (See page 38.)
- Set the "TV ASPECT" in "VIDEO SETUP" in "SETUP" to comply with your TV's aspect. (See page 36.)

CONSUMERS SHOULD NOTE THAT NOT ALL HIGH DEFINITION TELEVISION SETS ARE FULLY COMPATIBLE WITH THIS PRODUCT AND MAY CAUSE ARTIFACTS TO BE DISPLAYED IN THE PICTURE. IN CASE OF 525 OR 625 PROGRESSIVE SCAN PICTURE PROBLEMS, IT IS RECOMMENDED THAT THE USER SWITCH THE CONNECTION TO THE "STANDARD DEFINITION" OUTPUT.

(3) Connecting to a AV amplifier with a built-in decoder

When DVDs recorded in Dolby Digital or DTS are played, Dolby Digital or DTS bitstream signals are output from the DVD player's digital audio output connectors. If a Dolby Digital or DTS decoder is connected, you can achieve sound with the power and sense of presence of a movie theater or concert hall.

To power outlet

for Taiwan R.O.C.

(or)

for Southeast Asia

DVD-3910

Center speaker

Front speaker (left)

Front speaker (right)

75Ω/ohms pin-plug cable (commercially available)

(or)

Optical fiber cable (commercially available)

Digital audio input connector (COAXIAL)

Digital audio input connector (OPTICAL)

Subwoofer

Surround speaker (left)

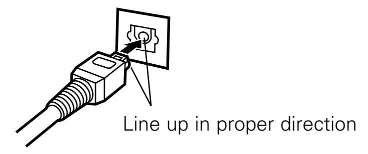
Surround speaker (right)

AV amplifier with a built-in decoder (AV control center)

NOTES:

- Harsh noise that could harm your ears or damage the speakers is generated when a DVD recorded in DTS is played while using a decoder, etc., that is not DTS-compatible.
- When playing copyright-protected linear PCM or packed PCM DVDs, in consideration of copyrights, no digital signals are output for sources exceeding 48 kHz/16 bits. When playing such sources, either set "LPCM (44.1 kHz/48 kHz)" under "AUDIO SETUP" at "SETUP" to "ON" (See pages 38, 41.) or make analog connections. (See page 14.)
- When making digital connections to an AV amplifier that is not compatible with 96 kHz/88.2 kHz signals, set "LPCM (44.1 kHz/48 kHz)" under "AUDIO SETUP" at "SETUP" to "ON". (See pages 38, 41.)
- With Super audio CDs, digital audio signals cannot be output from the digital out terminals. Use analog or IEEE1394 connections. (See pages 14, 17, 18.)

■ Connecting an optical fiber cable (commercially available) to the digital audio input connector (OPTICAL)



Line up the cable in the proper directly, then insert it securely as far as it goes.

■ Sound output from the DVD-3910's digital audio output connectors

In the case of bitstream output

		Settings	
		DIGITAL OUT	
	Audio recording format	NORMAL	PCM
DVD video	Dolby Digital	Dolby Digital bitstream	2 channels PCM (48 kHz / 16 bit)
	DTS	DTS bitstream	2 channels PCM (48 kHz / 16 bit)

In the case of PCM output

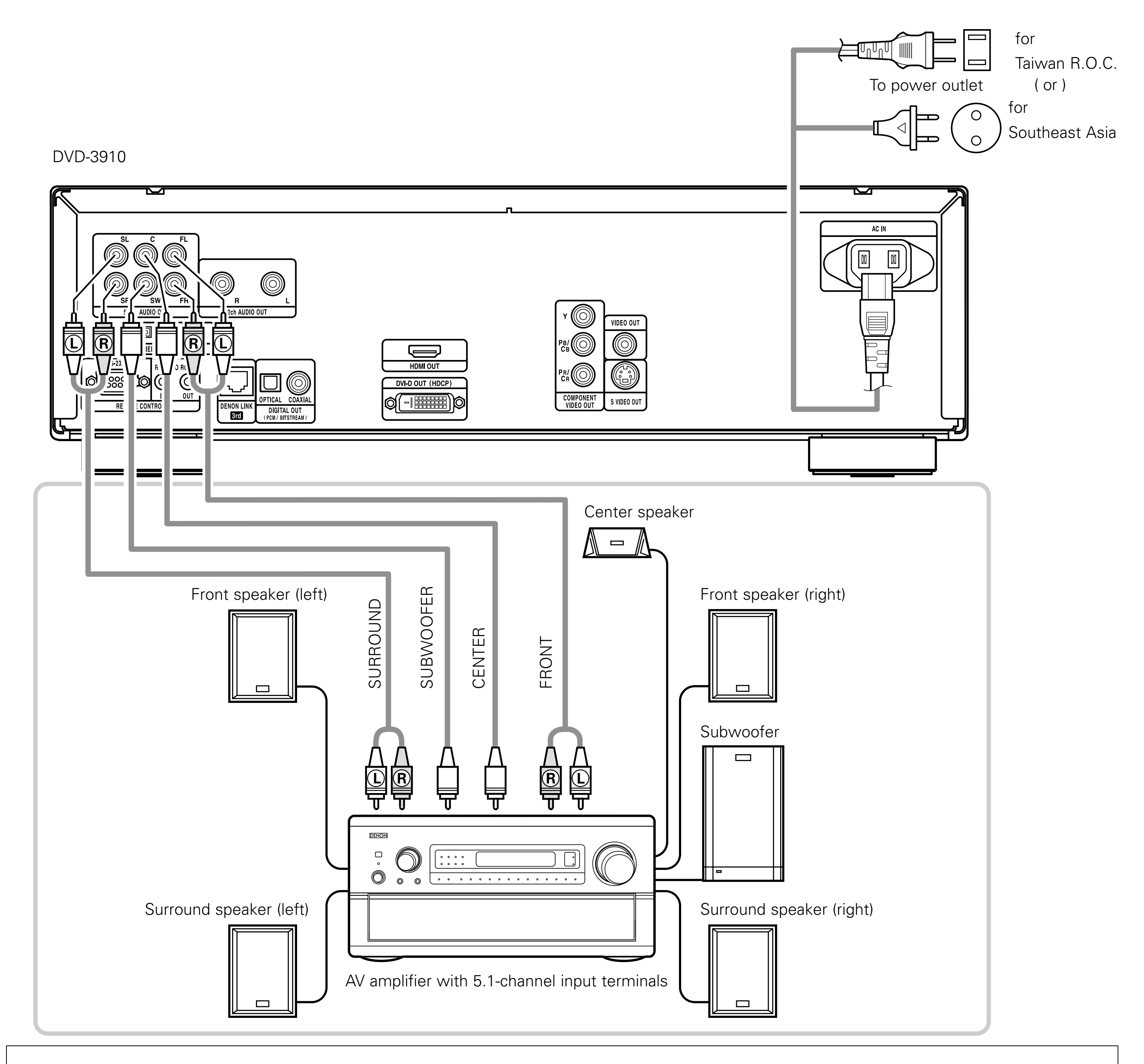
			Settings		
			LPCM SELECT		
	Audio recording format		OFF		ON
			Copy protection ON	Copy protection OFF	
DVD video	Linear PCM	48 kHz / 16 ~ 24 bit	No output data (*1)	48 kHz / 16 ~ 24 bit PCM	48 kHz / 16 bit PCM
		96 kHz / 16 ~ 24 bit	No output data	96 kHz / 16 ~ 24 bit PCM	48 kHz / 16 bit PCM
DVD audio	Linear PCM or Packed PCM	44.1 kHz / 16 ~ 24 bit	No output data (*2)	44.1 kHz / 16 ~ 24 bit PCM	44.1 kHz / 16 bit PCM
		48 kHz / 16 ~ 24 bit	No output data (*1)	48 kHz / 16 ~ 24 bit PCM	48 kHz / 16 bit PCM
		88.2 kHz / 16 ~ 24 bit	No output data	88.2 kHz / 16 ~ 24 bit PCM	44.1 kHz / 16 bit PCM
		96 kHz / 16 ~ 24 bit	No output data	96 kHz / 16 ~ 24 bit PCM	48 kHz / 16 bit PCM
		176.4 kHz / 16 ~ 24 bit	No output data	88.2 kHz / 16 ~ 24 bit PCM	44.1 kHz / 16 bit PCM
		192 kHz / 16 ~ 24 bit	No output data	96 kHz / 16 ~ 24 bit PCM	48 kHz / 16 bit PCM
Video CD	MPEG 1		44.1 kHz / 16 bit PCM		44.1 kHz / 16 bit PCM
Music CD	44.1 kHz / 16 bit Linear PCM		44.1 kHz / 16 bit PCM		44.1 kHz / 16 bit PCM
MP3 CD	MP3 (MPEG-1 Audio Layer 3)		44.1, 48 kHz / 16 bit PCM		44.1, 48 kHz / 16 bit PCM
WMA CD	WMA (Windows Media Audio)		44.1, 48 kHz / 16 bit PCM		44.1, 48 kHz / 16 bit PCM
Super audio CD	DSD (DIRECT STREAM DIGITAL)		No output data (*3)		No output data (*3)

*1 Only 48 kHz/16 bit sources are output.
*2 Only 44.1 kHz/16 bit sources are output.
*3 44.1 kHz/16-bit PCM signals are output during CD layer playback.

- Down-mixed to 2 channels for multi-channel PCM sources. (Only the front left and right channels are output for sources for which down-mixing is prohibited.)
- When "DIGITAL OUT : OFF" is selected at the PURE DIRECT MODE, digital signals are not output from the digital audio output at this time.
- Bitstream signals are signals that are compressed and converted into digital format. They are decoded into multi-channel audio signals (5.1-channels, etc.) by the decoder.
- Linear PCM audio is the signal recording format used for music CDs.
  While the signals are recorded at 44.1 kHz/16 bit for music CDs, for DVDs they are recorded at 44.1 kHz/16 bit to 192 kHz/24 bit, providing higher sound quality than music CDs.
- Packed PCM signals are high sound quality compressed PCM signals that are decompressed with virtually no loss of data.

(4) Connecting a basic 5.1-channel surround system

Analog 5.1-channel audio signals can be output from the DVD-3910.
The multichannel audio signals recorded in packed PCM and the multichannel Super audio CDs can be played when an AV amplifier equipped with analog 5.1-channel audio inputs is connected.



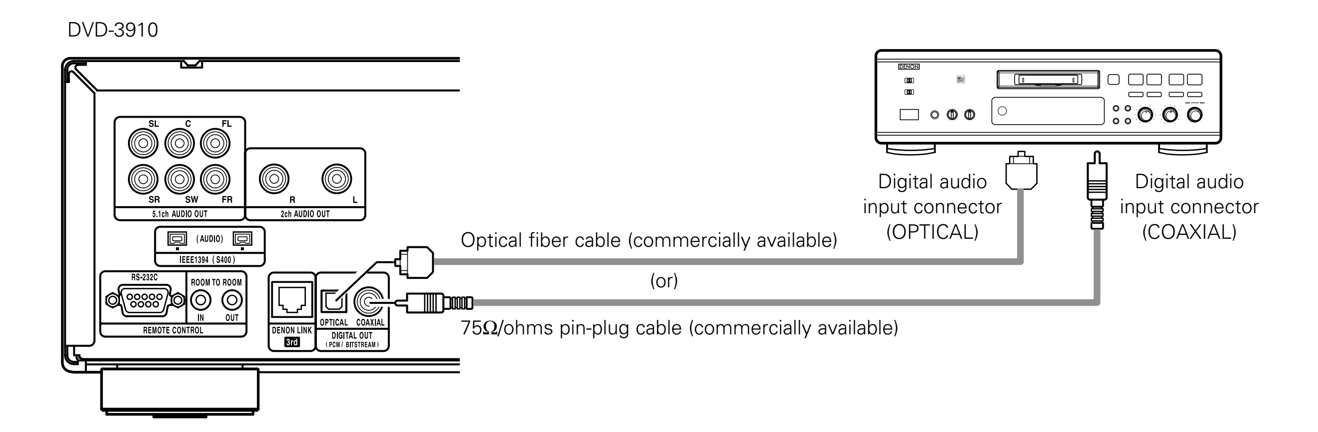
NOTES:

- For multi-channel connections, set “AUDIO CHANNEL” under “AUDIO SETUP” at “SETUP” to “MULTI CHANNEL” and make the “SPEAKER CONFIGURATION”, “CHANNEL LEVEL” and “DELAY TIME” settings. (See pages 38 ~ 40.)
- With the DVD-3910, we recommend turning the digital output off by using the PURE DIRECT MODE and only outputting analog signals in order to keep interference from the digital output circuitry to a minimum and allow you to enjoy high-quality multi-channel sound thanks to the high-bit, high sampling frequency. (See pages 47, 48.)

(5) Connecting to a Digital Recorder (MD Recorder, DAT Deck, etc.)

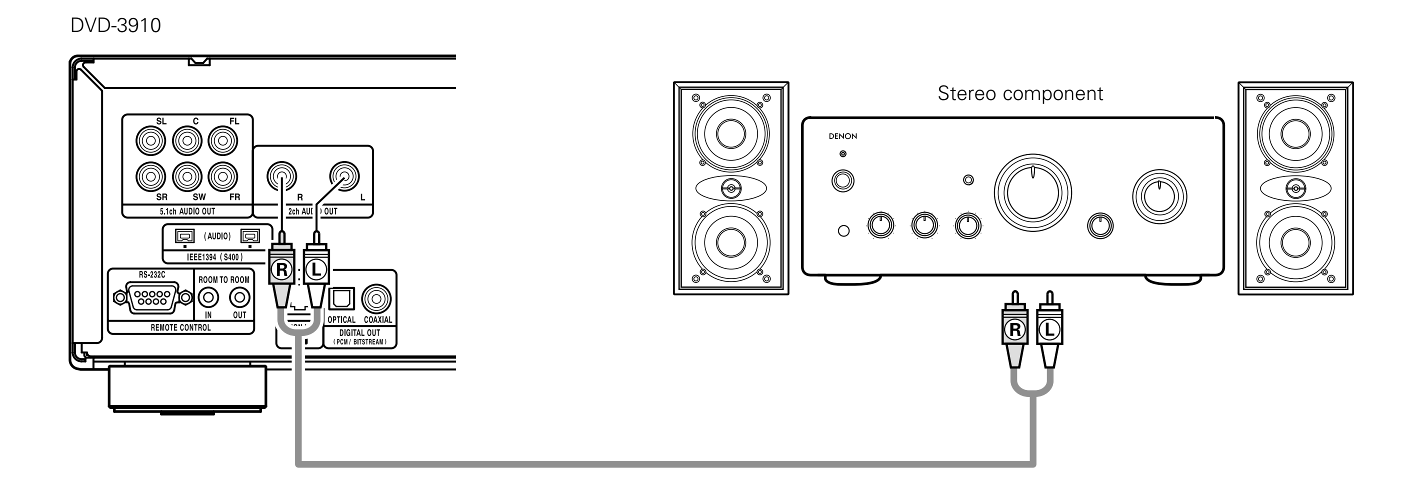
✻ Set the “AUDIO SETUP” default setting as shown below. (See pages 38 ~ 41.)
- “DIGITAL OUT” → “PCM”
  “LPCM (44.1kHz/48kHz)” → “ON”

Playing DVDs with incorrect settings may result noise that could damage your ears or the speakers.



NOTE:
- Digital audio signals cannot be output when playing Super Audio CDs. Use analog connection to record Super Audio CDs.

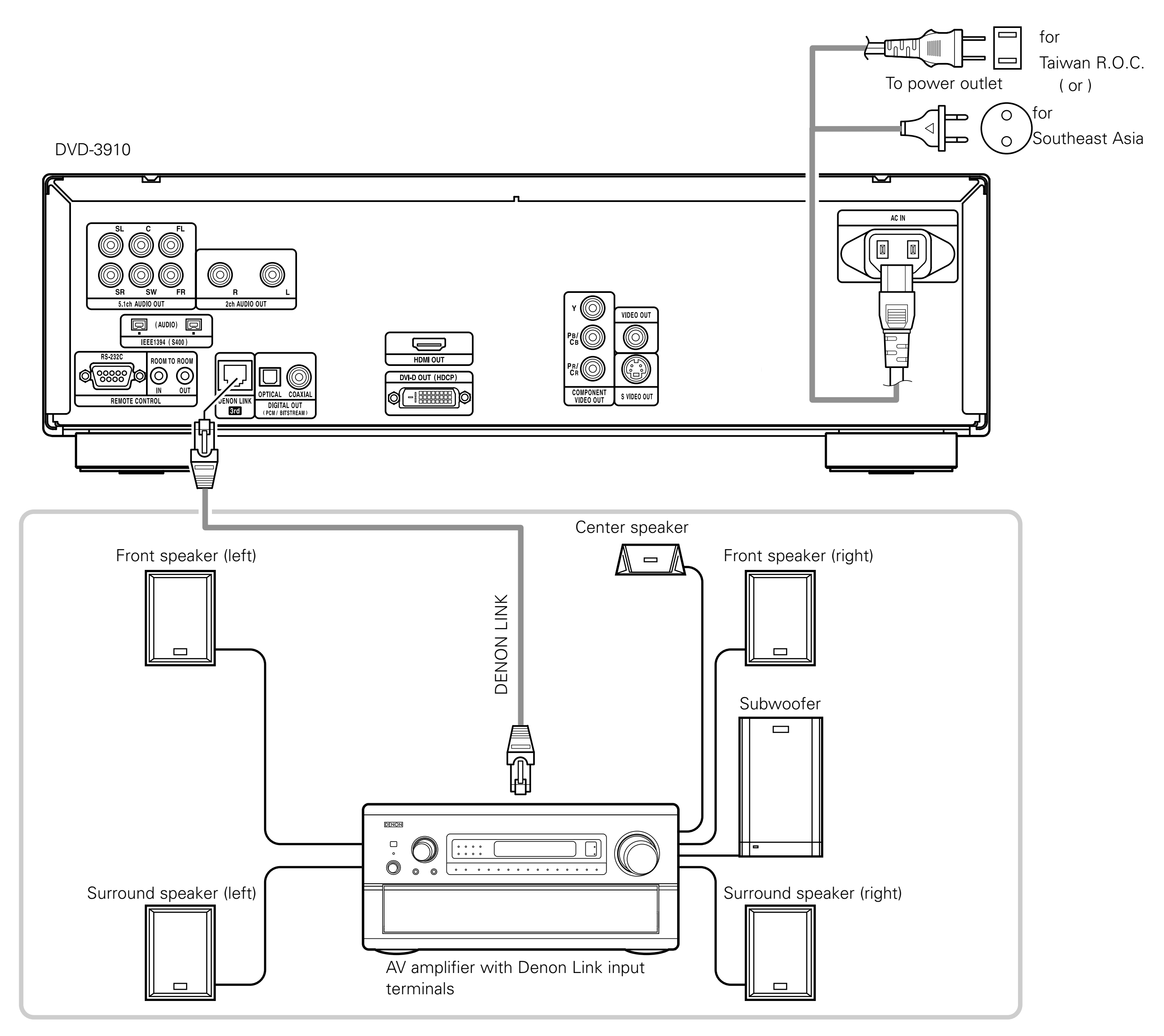
(6) Connecting to a Stereo Component



NOTE:
- When connecting to a 2-channel audio stereo device using the 5.1ch AUDIO OUT, set “AUDIO CHANNEL” under “AUDIO SETUP” on the “SETUP” to “2CH (SRS OFF) ” or “2CH (SRS ON) ” (See page 38.). For multi-channel sources, the signals are down-mixed into two channels (analog).
  (Only the front left and right channels are output for sources for which down-mixing is prohibited.)

(7) Denon Link connections

High quality digital sound with reduced digital signal transfer loss can be enjoyed by connecting a separately sold Denon Link compatible AV amplifier.



■ **DENON LINK Second Edition:**

- With the DENON LINK, Second Edition (2nd), the audio signals are transferred from the DVD player to the AV amplifier in digital form, with the same quality as the signals recorded on the disc.
  Digital transfer of the high quality multi-channel signals of DVD audio is possible for all discs. (A Second Edition compatible DVD player and AV amplifier are required for this.)

■ **Compatibility with previous models:**

- Digital audio signals output from a DENON LINK S.E. (2nd) compatible DVD player can only be played on a DENON LINK S.E. (2nd) compatible AV amplifier (Playback with DENON LINK connections is not possible when using a DENON LINK S.E. compatible DVD player in combination with an AV amplifier that is not S.E. compatible.).
- “S.E.” is indicated on the rear panel’s DENON LINK connector on DENON LINK S.E. compatible products.

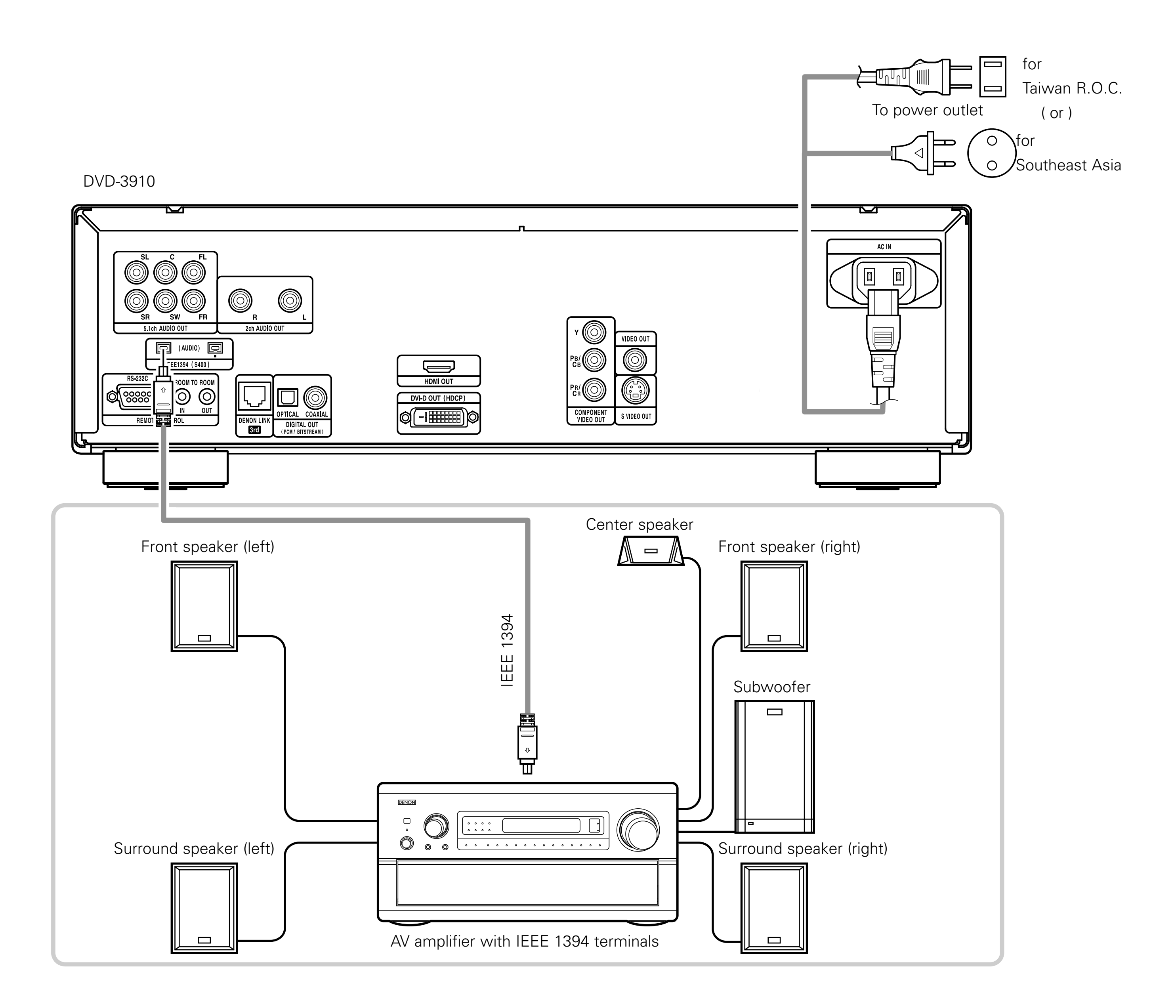
■ **DENON LINK S.E. settings:**

- At “DIGITAL INTERFACE SETUP” under “SETUP”, set “DENON LINK” to “2nd”. (See pages 32 ~ 35.)
  (If you connect the DENON LINK, set to “2nd”.)

NOTES:
- When DENON LINK is set, the down-mixed audio signals are output only from the left and right terminals and front left and front right terminals. If you want to use analog terminals, set to “DENON LINK” to “OFF”.
- When using the DENON LINK connector, the “AUDIO CHANNEL”, “DIGITAL OUT”, “LPCM (44.1kHz/48kHz)”, “SOURCE DIRECT” and “BASS ENHANCER” settings under “AUDIO SETUP”, and the “HDMI AUDIO SETUP” and “IEEE1394” settings under “DIGITAL INTERFACE SETUP” in “SETUP” cannot be made.
  The digital output cannot be turned off even by setting “PURE DIRECT SELECT” to “ALL OFF” or selecting a mode for which the digital output is set to off. (See pages 47, 48.)
- The DVD-3910’s speaker settings are invalidated when the DENON LINK connector is connected.
- When the DENON LINK 2nd connection, Super Audio CD’s signals are not output from the DENON LINK connector. Please use the analog audio output terminals.

(8) IEEE 1394 connections

The simple connection of one IEEE 1394 cable permits high quality digital transfer of the following between devices having IEEE 1394 connectors: the audio of DVD video, DVD audio that up until now could only be connected by 5-conductor audio cable in an analog connection, or Super Audio CD and other multi-channel audio. (unless DENON LINK connections)
(IEEE 1394 is an international standard established by the Institute of Electrical and Electronics Engineers, Inc. of the U.S.)



NOTES:
- Please use the included IEEE 1394 cable. When using a cable other than the included IEEE 1394 cable, please use a 4-pin IEEE 1394 cable with a length of 3.5 m or less for S400 or higher.
- The "IEEE 1394 audio signal (A&M protocol)" output from the DVD-3910's IEEE 1394 connector not out video signals, please connecting to a TV or Monitor with "component video output" or "S-video output" or "Video output". (See pages 10, 11.)
- The "IEEE 1394 audio signal (A&M protocol)" output from the DVD-3910's IEEE 1394 connector can only be received on AV equipment equipped with an IEEE 1394 connector. Digital video (DV), personal computer, and i-Link (a Sony trademark) audio signals cannot be sent and received. Incorrect connections could lead to malfunction. Connect as instructed in the other device's operating manual. Note that there is no guarantee of the operation of the connection even between devices supporting IEEE 1394. Whether or not data and control signals can be transmitted and received between devices supporting IEEE 1394 depends on the functions of the respective devices.
- When connecting using the IEEE 1394 connector, only connect one cord between the two devices. Never connect two cords between the two devices (loop connection). If this is done, the signal output from one device will return to the same device, resulting in malfunction.
- No audio signals are output from the DVD-3910's analog, digital, DENON LINK or HDMI connectors when IEEE 1394 is set.
  To use the analog, digital, DENON LINK or HDMI connectors, set the IEEE 1394 setting to "OFF".
- When using the IEEE 1394 mode, the "HDMI AUDIO SETUP" under "DIGITAL INTERFACE SETUP" and the "AUDIO CHANNEL", "DIGITAL OUT", "LPCM (44.1 kHz/48 kHz)", "SOURCE DIRECT" and "BASS ENHANCER" settings under "SETUP" – "AUDIO SETUP" cannot be made.
  The digital output cannot be turned off even by setting "PURE DIRECT SELECT" to "ALL OFF" or selecting a mode for which the digital output is set to off. (See pages 47, 48.)
- When the IEEE 1394 connector is connected, the DVD-3910's speaker settings are disabled.
- During playback of a device supporting IEEE 1394, please do not disconnect the IEEE 1394 cable of the other device, do not connect a new device, and do not switch the power on or off. Doing so may interrupt the audio.
- Among the devices that support IEEE 1394, when the power is in the standby mode or off, some devices are not able to relay data. Please see the operation manual of the connected device that supports IEEE 1394. This unit is not able to relay the IEEE 1394 data while in the standby mode.
- Devices that support IEEE 1394 have the maximum data transfer speed supported by that device marked in the vicinity of the IEEE 1394 connector. The maximum transfer speed of IEEE 1394 is defined as approximately 100/200/400 Mbps*, with 200 Mbps items having S200 inscribed and 400 Mbps items having S400 inscribed. The maximum IEEE 1394 data transfer speed of this unit is 400 Mbps. The actual transfer speed may be slower than 400 Mbps when S100 or S200 devices are connected, or depending on the specifications of the device. Try to ensure that connections are made between devices that have the same maximum data transfer speed.

* Mbps (Mega bps) is an abbreviation of "Mega bits per second" and indicates the volume of data that can be communicated in 1 second. At 400 Mbps, 400 Mega bits of data is transferred in 1 second.

✻ The DVD-3910's IEEE 1394 mode is designed based on IEEE Std. 1394a-2000, Standard for a High Performance Serial Bus.

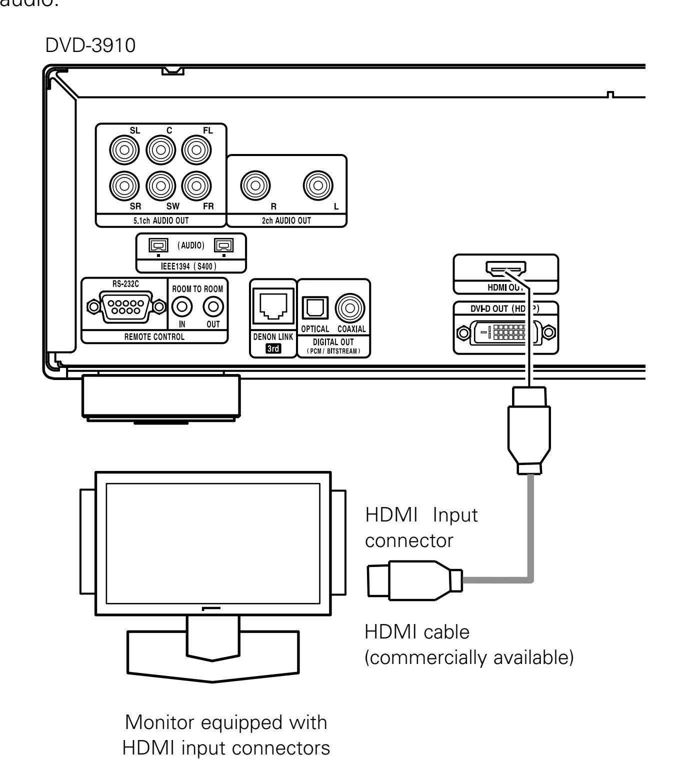
✻ IEEE 1394 network
The following types of connections can be made between devices handling IEEE 1394 audio signals (A&M protocol):
① Daisy chain connections
Connect the sets in series using a single IEEE 1394 cord. Up to 15 sets can be connected.
② Tree (tower) connections
Connect the sets in parallel and in series using a single IEEE 1394 cord. Up to 63 sets can be connected.

Copyright Protection System

To play back through an IEEE 1394 connection the audio of Super Audio CD or DVD (except for discs that may be copied freely), both the player and the amplifier are required to support a copyright protection system called DTCP (Digital Transmission Content Protection). DTCP is copy protection technology comprising data encryption and the authentication of the remote device. This unit supports DTCP. Please see the operation manual of your amplifier for information about your amplifier.

(9) HDMI connections

A simple 1-cable connection (using a commercially available cable) with a device having an HDMI (High-Definition Multimedia Interface) connector allows digital transfer of the digital images of DVD video and other sources, DVD video, and the multi-channel sound of DVD audio.



		Setting of HDMI		
	Audio recording format	2CH	MULTI (NORMAL)	MULTI (LPCM)
DVD video	Dolby digital	2 channel PCM	Dolby digital	Multi PCM
	DTS	2 channel PCM	DTS	Multi PCM
DVD Audio	LPCM or PCCM (with CPPM)	X	X	X
	LPCM or PCCM (without CPPM)	2 channel PCM	Multi PCM	Multi PCM
Video CD		2 channel PCM	2 channel PCM	2 channel PCM
CD		2 channel PCM	2 channel PCM	2 channel PCM
MP3 CD		2 channel PCM	2 channel PCM	2 channel PCM
WMA CD		2 channel PCM	2 channel PCM	2 channel PCM
Super Audio CD	Multi area	X	X	X
	Stereo area	X	X	X
	CD layer	2 channel PCM	2 channel PCM	2 channel PCM

✻ The multi-channel/stereo area sound of Super Audio CD is not output.

✻ The video and audio signals cannot be output when playing DVD AUDIO with CPPM.

Connection Examples for HDMI AUDIO SETUP

HDMI-supported monitor or projector, etc. (2-channel support or no audio support)

• 2CH ....Use this connection when you would like to enjoy the multi-channel audio output from an analog audio output connector, DENON LINK, or with the audio output from an IEEE 1394 connector.

HDMI-supported monitor/AV amplifier, etc. (Supports DTS and Dolby Digital decoders)

• MULTI (NORMAL).........Use this connection when you would like to enjoy the multi-channel audio output from an HDMI connector and you wish to have a DTS, Dolby Digital, or other decoder connected to do the processing. (Speaker and other settings are not required.)

HDMI-supported monitor (Supports audio input for 2 or more channels)

• MULTI (LPCM) ....Use this connection when you would like to enjoy the multi-channel output from an HDMI connector and the connection point does not support a DTS, Dolby Digital, or other decoder. (Speaker settings are permitted.)

NOTES:

- HDMI audio output settings permit the selection of either 2 channels or multi-channels. When selecting MULTI(NORMAL) or MULTI(LPCM), a down-mixed audio signal is output from the analog connectors (Left/Right and Front Left/Front Right) of the DVD-3910. To output multi-channel sound from the analog audio output connectors, set HDMI to OFF, or select “2CH”.
- When select MULTI(NORMAL) or MULTI(LPCM), the settings of “IEEE1394” and “DENON LINK” under “DIGITAL INTERFACE SETUP” of “SETUP” cannot be made. Neither can the settings of “AUDIO CHANNEL”, “DIGITAL OUT”, “LCPM(44.1kHz/48kHz)”, “SOURCE DIRECT”, or “BASS ENHANCER” under “AUDIO SETUP”.
  The HDMI video and audio output are both turned off if the video output is set to “OFF” or if “ALL OFF” is set. (See pages 47, 48.)
  Also note that it will not be possible to select the setting of digital output, when selecting “MULTI(NOMAL)” at “HDMI AUDIO SETUP”.
- When selecting MULTI(NORMAL) or MULTI(LPCM), the DVD-3910 speaker settings under “AUDIO SETUP” become invalid.
- When playing a Super Audio CD with an HDMI connection, audio cannot be transferred beyond the CD layer. Make an analog connection for this.
- Among the devices that support HDMI, some devices can control other devices via the HDMI connector; however, the DVD-3910 cannot be controlled by another device from the HDMI connector.
- When using display equipment that is not supported by the HDCP (content protection function), the image will not be output properly. (See the compatibility table.)
- The audio signals from the HDMI connector (including the sampling frequency and bit length) may be limited by the equipment that is connected.

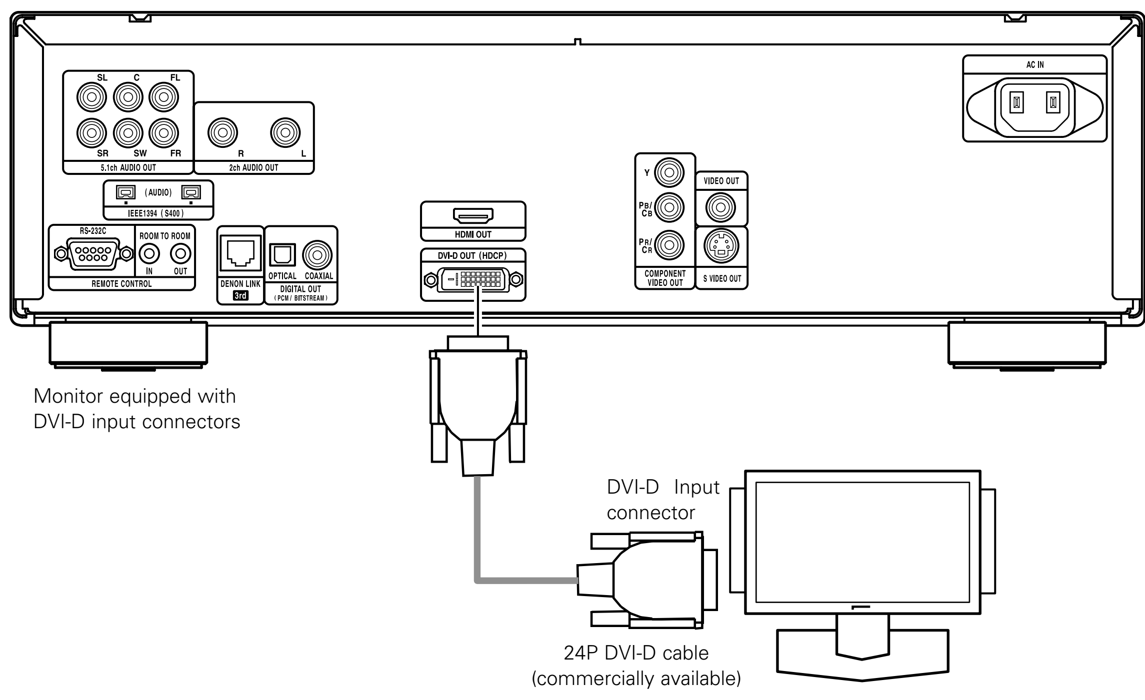
(10) DVI connections

Connection with equipment that has a DVI (Digital Visual Interface)-D connector permits the transfer of digital images.

✻ When using display equipment that is not supported by the HDCP (content protection function), the image will not be output properly. (See the compatibility table.)

✻ Make an audio connection also because an audio signal will not be output from the DVI-D connector.

✻ Commercially-available DVI cables are available in 24-pin and 29-pin types. The DVD-3910 supports the 24-pin DVI-D cable, but the 29-pin DVI cable cannot be connected.



NOTE: HDMI and DVI connectors

- The table below indicates the compatibility of connections between the HDMI/DVI-D output connector of the DVD-3910 and monitors that support HDMI/DVI-D.

	Monitor with HDMI	Monitor with DVI-D (HDCP compatible)	Monitor with DVI-D (HDCP incompatible)
HDMI output terminal	○ Video/Audio*1	○ *2 (Only Video)	x
DVI-D output terminal	○ (Only Video)	○ (Only Video)	x

*1 Among the monitors that support HDMI, some do not support audio output (for example, projectors). In connections with equipment such as this, audio signals are not output from the HDMI output connector. Use analog audio outputs, DENON LINK, or IEEE 1394 connectors to provide the audio output at “DIGITAL INTERFACE SETUP” under “SETUP”, set “HDMI AUDIO SETUP” to “2CH”.

*2 When the set’s HDMI connector is connected to a DVI-D compatible monitor (HDCP compatible) with an HDMI-DVI converter cable(Commercially-available), the signals are output in digital RGB, regardless of the “HDMI/DVI SELECT” setting.

Copyright Protection System

To play the digital images and sounds of DVD video or DVD audio via an HDMI/DVI-D connection, it is necessary that both the player and monitor (or AV amplifier) support a copyright protection system called HDCP (High-bandwidth Digital Content Protection System). HDCP is copy protection technology that comprises data encryption and authentication of the partner equipment. The DVD-3910 supports HDCP. Please see the user's manual of your monitor (or AV amplifier) for information about this.

5 PART NAMES AND FUNCTIONS

(1) Front Panel

See page 3.

❶ Power ON/STANDBY button
- Press once to set to the standby mode. The indicator lights up in red.
- Press again to turn the power on. The indicator lights up in green.

❷ Power indicator
- This indicator lights when the power is on and when the power is in the standby mode.
  Light green: Power is on
  Light red : Power is in the standby mode

❸ Power switch
- Press once to turn the power on.
- Press again to set to the "OFF" position and turn the power off.

❹ DENON LINK indicator
- This indicator lights when the audio signals are transferred by DENON LINK connections.

❺ AL24 PLUS indicator
- This indicator lights when the audio signals of a DVD, etc., are being processed digitally with the AL24 processing Plus.

❻ Display
- Information on the disc that is currently playing is shown on the display. (See page 22.)

❼ Remote control sensor

❽ SELECT of HDMI/DVI button
- Press this to set the video signal output from the HDMI connector or the DVI connector. (See page 53.)

→ HDMI Y Cb Cr → HDMI RGB → DVI → HDMI/DVI OFF →

❾ FORMAT of HDMI/DVI button
- Press this to set the video signal format from the HDMI connector or the DVI connector. (See page 53.)

→ 480P/576P → 720P → 1080i →

❿ VIDEO MODE button
- Use this to instantly change the adjustment mode of the stored video signals.

※ The unit will return to the stored setting values when the power is switched off.
(The setting values of this mode will not be stored.)

- PICTURE MODE

→ STD → M1 → M2 → M3 → M4 → M5 →

- PROGRE. MODE (PROGRESSIVE)

→ AUTO1 → AUTO2 → VIDEO1 → VIDEO2 → VIDEO3 →

- TV TYPE

→ MULTI → NTSC → PAL →

- SQUEEZE MODE

※ No effective for interlaced image. (See page 37.)

→ OFF → ON →

⓫ Select the playback area/layer of SUPER AUDIO CD (SUPER AUDIO CD SETUP)
- Switch the area /layer of the Super audio CDS played with priory.
- Multi........ When playing Super audio CDs, the Multi channel area is played with priory
- STEREO... When playing Super audio CDs, the stereo channel area is played with priority.
- CD........... When playing Super audio CDs, the CDs layer is played with priority.

→ MULTI → STEREO → CD →

⓬ PURE DIRECT SELECT button
- Press to switch the modes with the specific video signals and digital audio signals and indicate in display on and off. (See pages 47, 48.)

→ NORMAL → MODE 1 → MODE 2 → ALL OFF →

⓭ DVD/AUDIO/VIDEO logo
- This indicator lights when playing the DVD audio or DVD video.

⓮ Super Audio CD logo
- This indicator lights when playing the Super audio CD.

⓯ Disc tray
- Load discs here. (See pages 25, 56.)
- Press the OPEN/CLOSE button ⓰ to open and close the disc tray.
- The disc tray is also closed when the PLAY button ⓲ is pressed.

⓰ OPEN/CLOSE button (⏏)
- Press this to open and close the disc tray. (See pages 25, 56.)

⓱ STILL/PAUSE button (❚❚)
- Press this to pause images or music or to play images frame by frame. (See pages 58, 59.)

⓲ PLAY button (▶)
- Press this to play the disc. (See page 57.)

⓳ STOP button (■)
- Press this to stop the disc. (See page 58.)

⓴ Skip button (I◀◀)
- Press this to move back to the beginning of the current track (or chapter). . (See page 59.)
- Press again to move back to the beginning to the previous track (or chapter).

㉑ Skip button (▶▶I)
- Press this to move ahead to the beginning of the next track (or chapter). (See page 59.)

㉒ Slow/Search buttons (◀◀ ▶▶)
- Press this to set the slow or search play mode. (See pages 58, 59.)

◀◀: search in the reverse direction.
▶▶: search in the forward direction.

(2) Rear Panel

23 Audio output connectors (5.1ch AUDIO OUT)
- Connect using an audio cord. Connect a commercially available pin-plug cord.

24 Audio output connectors (2ch AUDIO OUT)
- Connect using the included audio video cord. Multi-channel sound is down-mixed and output.

25 Power input (AC IN)
- Connect to AC power supply using the included power supply cord.

26 Control connector (RS-232C)
- This is a terminal for future system expansion.

27 Control input connector (ROOM TO ROOM/IN)
- This is the input connector for wired remote control. Consult your DENON dealer if you wish to use this connector.

28 Control output connector (ROOM TO ROOM/OUT)
- This is the output connector for wired remote control. Consult your DENON dealer if you wish to use this connector.

29 Digital connectors (IEEE 1394)
- This is for connection of a separately sold AV amplifier equipped with a IEEE 1394 connector.
- Use it to achieve high quality digital sound with low data loss.

30 Digital output connector (DENON LINK)
- This is for connection of a separately sold AV amplifier equipped with a Denon Link connector.
- Use it to achieve high quality digital sound with low data loss.

31 Digital audio output connector (OPTICAL)
- Connect using an optical fiber cable (available in stores).
- Digital data is output from this connector.

32 Digital audio output connector (COAXIAL)
- Connect using an digital audio cord. Connect a commercially available 75 Ω/ohms pin-plug cord.
- Digital data is output from this connector.

33 DVI-D-Video output connector (DVI-D OUT)
- Connect using 24P DVI-D connection cord (available in stores).

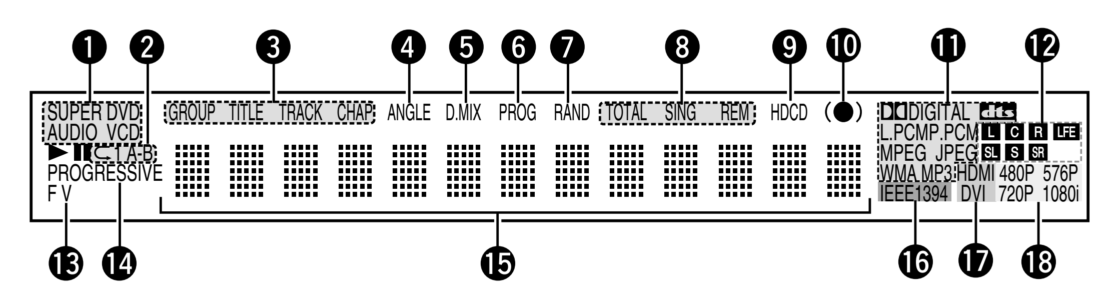
34 HDMI output connector (HDMI)
- Connect using HDMI connection cord (available in stores).

35 Component video output connectors (COMPONENT VIDEO OUT)
- Connect using video cords (available in stores).

36 S-Video output connector (S-VIDEO OUT)
- Connect using an S-Video connection cord (available in stores).

37 Video output connector (VIDEO OUT)
- Connect using the included audio video cord.

(3) Display



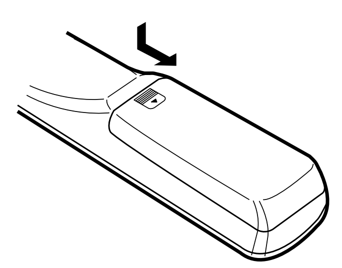
1. Lights to indicate the currently playing disc.
2. Lights in the repeat play mode.
3. These light to indicate the names of sections of the disc being played.
4. Lights during playback of multiple angles disc.
5. Lights when the audio signals can be down-mixed.
6. Lights in the programmed play mode.
7. Lights in the random play mode.
8. There light to indicate the time display mode.
9. Lights when HDCD is playing.
10. Lights when SRS TruSurround is on.
11. Lights to indicate the currently playing audio format.
12. Lights to indicate the currently playing audio.
    L : Front left channel
    C : Center channel
    R : Front right channel
    SL : Surround left channel
    S : Mono surround channel
    SR : Surround right channel
    LFE : Low frequency effect
13. Lights to indicate the currently playing video type.
    F :Film source
    V :Video source
14. Lights when progressive video signals are being output.
15. Displays the title , track number and elapsed time during playback.
16. Lights when the audio signals is output from IEEE1394 terminals.
17. Lights when the video (on audio) signals is output from HDMI or DVI terminals. (Lights only one of the ADMI or DVI)
    (Flashes while the connection to the DVI-D or HDMI connector is being checked.)
18. Lights to indicate the currently video format of HDMI or DVI terminals.
    (Flashes while the connection to the DVI-D or HDMI connector is being checked.)

6 REMOTE CONTROL UNIT

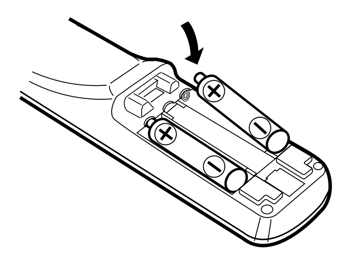
■ The DVD-3910 can be controlled from a distance using the included remote control unit (RC-972).

(1) Inserting Batteries

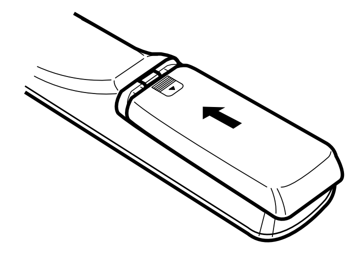
① Remove the remote control unit's rear cover.



② Place two R6P/AA batteries in the battery compartment in the direction indicated by the marks.



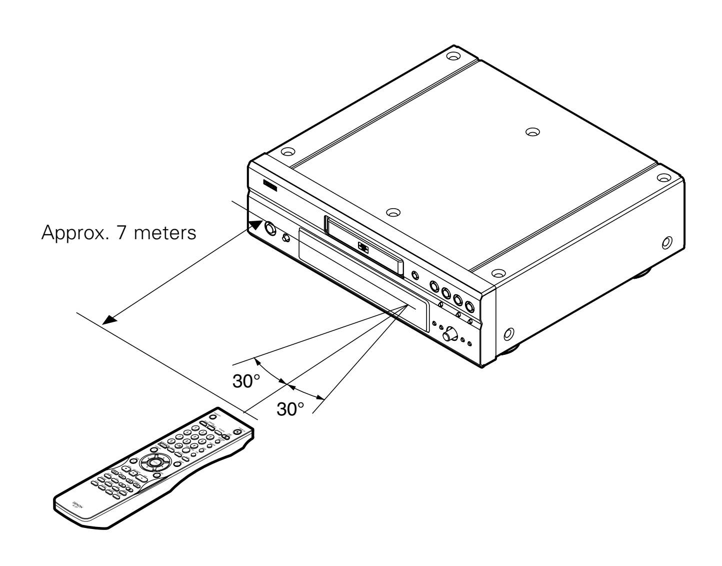
③ Close the rear cover.



Cautions On Batteries

- Use R6P/AA batteries in this remote control unit.
- Replace the batteries with new ones approximately once a year, though this depends on the frequency with which the remote control unit is used.
- If the remote control unit does not operate from close to the main unit, replace the batteries with new ones, even if less than a year has passed.
- The included battery is only for verifying operation. Replace it with a new battery as soon as possible.
- When inserting the batteries, be careful to do so in the proper direction, following the ⊕ and ⊖ marks in the remote control unit's battery compartment.
- To prevent damage or battery fluid leakage:
  - Do not use a new battery with an old one.
  - Do not use two different types of batteries.
  - Do not short-circuit, disassemble, heat or dispose of batteries in flames.
- Remove the batteries when not planning to use the remote control unit for a long period of time.
- If the batteries should leak, carefully wipe off the fluid from the inside of the battery compartment, then insert new batteries.

(2) Using the Remote Control Unit



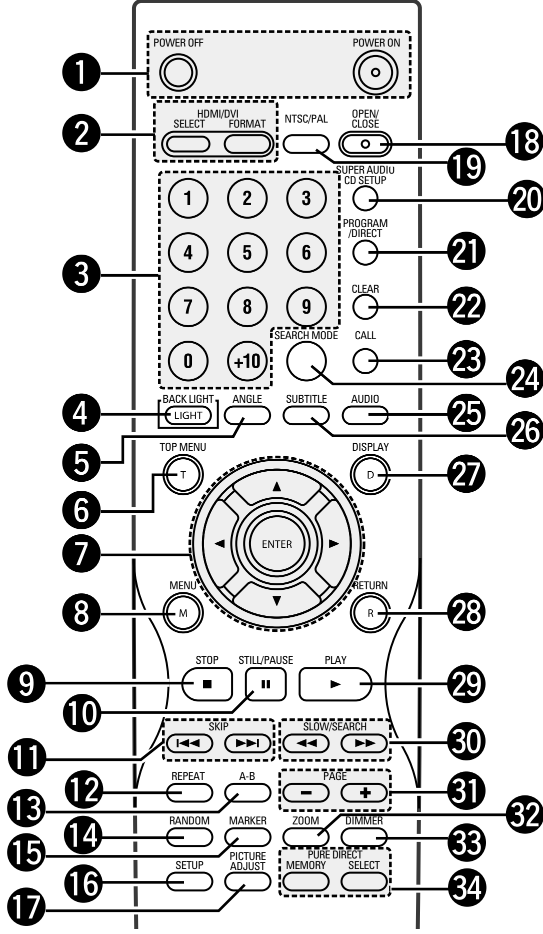
- When operating the remote control unit, point it at the remote control sensor as shown on the diagram.
- The remote control unit can be used from a direct distance of approximately 7 meters. This distance will be shorter, however, if there are obstacles in the way or if the remote control unit is not pointed directly at the remote control sensor.
- The remote control unit can be operated at a horizontal angle of up to 30° with respect to the remote control sensor.

NOTES:

- It may be difficult to operate the remote control unit if the remote control sensor is exposed to direct sunlight or strong artificial light.
- Do not press buttons on the main unit and on the remote control unit at the same time. Doing so will result in malfunction.

(3) Names and Functions of Remote Control Unit Buttons

■ Button not explained here function in the same way as the corresponding buttons on the main unit.



1 POWER ON/POWER OFF buttons
- Press this to switch the power between on and standby.

2 HDMI/DVI SELECT/FORMAT buttons
- Use these to select to use HDMI terminal or DVI terminal, and the format of video signals (480P/576P,720P,1080i).

3 Number buttons
- Use these to input numbers.
  Use the +10 button to input numbers of 10 or over.
  Example: To input 25

  +10 → +10 → 5

4 LIGHT button
- Press this to light the opal color button.
  Press again this to put out light.

5 ANGLE button
- Press this to switch the angle.

6 TOP MENU button
- The top menu stored on the disc is displayed.

7 Cursor buttons/ENTER button
- Use the ▲ and ▼ cursor buttons to select in the vertical direction.
  Use the ◄ and ► cursor buttons to select in the horizontal direction.
  Press the ENTER button to select the item selected with the cursor buttons.

8 MENU button
- The DVD menu stored on the disc is displayed.

9 STOP button (■)

10 STILL/PAUSE button (❚❚)

11 SKIP buttons

12 REPEAT button
- Press this to play tracks repeatedly.

13 A-B repeat button (A-B)
- Use this to repeat sections between two specific points.

14 RANDOM button
- Press this to play the tracks on the video or music CD in random order.

15 MARKER button
- Press this to mark places you want to see again.

16 SETUP button
- Press this to display the default setting screen.

17 PICTURE ADJUST button
- Press this to adjust the picture quality to suit your tastes.

18 OPEN/CLOSE button

19 NTSC/PAL button
- Use this to switch the set's video output format (NTSC/PAL).

20 SUPER AUDIO CD SETUP button

21 PROGRAM/DIRECT button

22 CLEAR button
- Press this to clear numbers that you have input.

23 CALL button
- Press this to check the program contents.

24 SEARCH MODE button
- Press this to change the search mode to search for groups or titles, tracks or chapters when selecting sections of discs directly using the number buttons.

25 AUDIO button
- For DVDs, press this to switch the audio language. For video CDs, press this to switch the channel between "STEREO", "MONO LEFT" and "MONO RIGHT".

26 SUBTITLE button
- Press this to switch the DVD's subtitle language.

27 DISPLAY button
- Press this to display the ON-SCREEN.

28 RETURN button
- Press this to return to the previous menu screen.

29 PLAY button (►)

30 SLOW/SEARCH buttons

31 PAGE –/PAGE + buttons
- Use these to selected the desired still picture on DVD audio discs containing browseable still pictures.

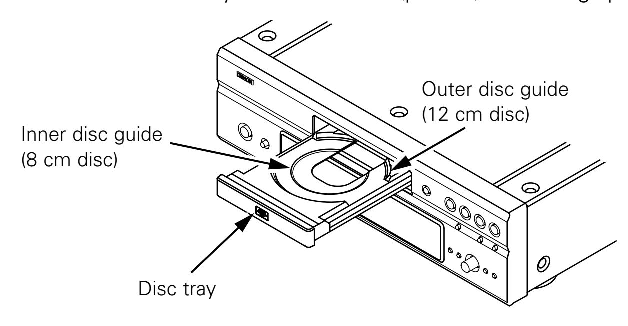
32 ZOOM button
- Press this to enlarge the image.

33 DIMMER button
- Use this to adjust the brightness of the main unit's display.
  Can be switched in 4 steps, from all-off to always on.

34 PURE DIRECT MEMORY/SELECT buttons
- Use these to make and select that various setting to achieve higher quality sound.

7 LOADING DISCS

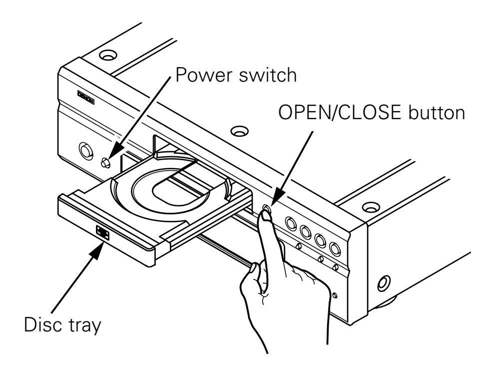
■ Set discs in the disc tray with the labeled (printed) side facing up.



NOTE:
- Do not move the DVD-3910 while a disc is playing. Doing so may scratch the disc.

(1) Opening and Closing the Disc Tray

① Turn on the power.
② Press the OPEN/CLOSE button.



NOTES:
- Be sure to turn on the power before opening and closing the disc tray.
- Do not strike on the button with a pencil, etc.

(2) Loading Discs

- Pick up the disc carefully so as not to touch the signal surface and hold it with the labeled side facing up.
- With the disc tray fully open, set the disc in the disc tray.
- Set 12 cm discs in the outer disk guide (Figure 1), 8 cm discs in the inner disk guide (Figure 2).
- Press the OPEN/CLOSE button. The disc is automatically loaded.
- The disc tray can also be closed automatically to load the disc by pressing the PLAY button.

Figure 1

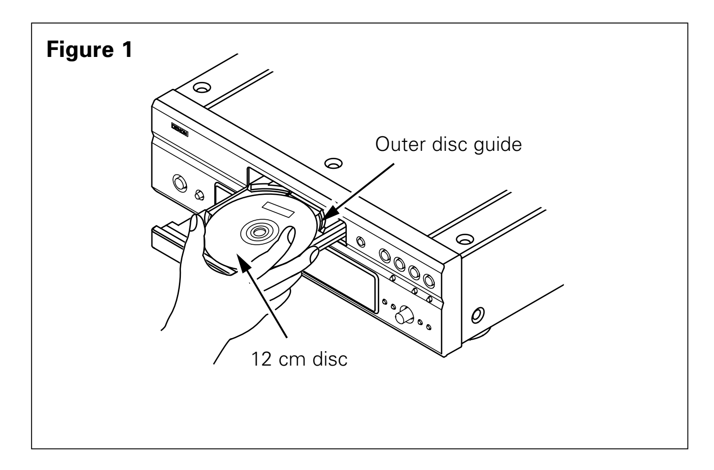
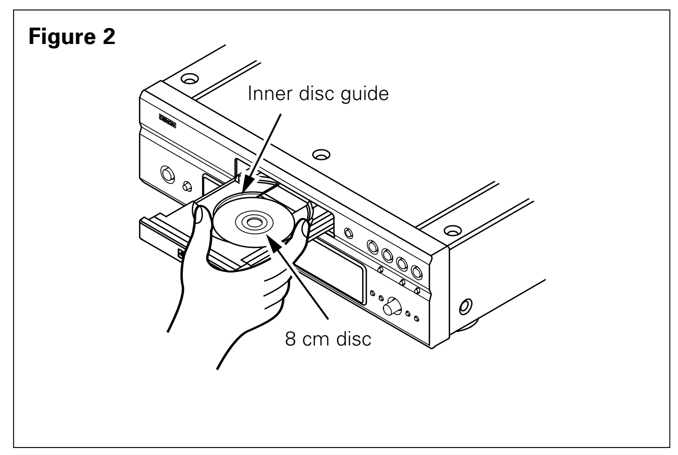


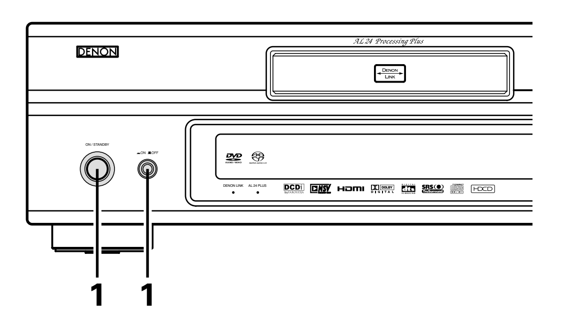
Figure 2

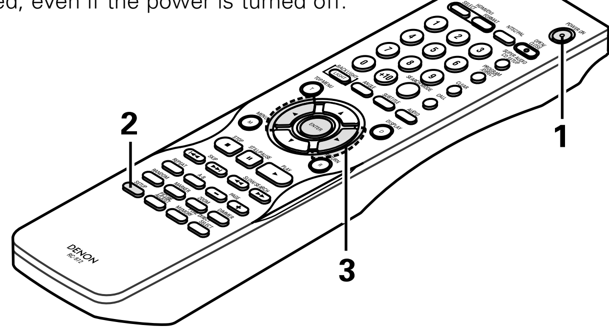


NOTES:
- If a foreign object is caught in the disc tray during closing, simply press the OPEN/CLOSE button again and the tray will open.
- Do not press the disc tray in by hand when the power is off. Doing so will damage it.
- Do not place foreign objects in the disc tray. Doing so will damage it.

8 CHANGING THE DEFAULT SETTINGS

■ Make the initial settings to suit your usage conditions before starting playback.
The initial settings are retained until they are next changed, even if the power is turned off.





1

Turn on the power.

- Press the power button, the power indicator lights green and the power turns on.
  When pressed again, the power turns off and indicator is off.
- In the standby mode (the power indicator lights red), press the ON/STANDBY button on the main unit or POWER ON button on the RC-972.

(Green) ON / STANDBY ▬ON ■OFF

Main unit

(Red) ON / STANDBY POWER ON

or

Main unit Remote control unit

2

In the stop mode, press the SETUP button.

- The setup (default settings) screen appears.

NOTE: For some menus, the initial values can be changed during playback.

LANGUAGE SETUP

Use this to set the language to be used when playing the disc. If the set language is not offered on that disc, the discs default language is set.
And use this to set the language for the default setting screen and messages displayed on the TV screen ("PLAY", etc.).

DIGITAL INTERFACE SETUP

Use this to set the output of DVI, HDMI, DENON LINK and IEEE1394 terminals.

VIDEO SETUP

Use this to set the DVD-3910's screen mode. (TV aspect and TV type.)

AUDIO SETUP

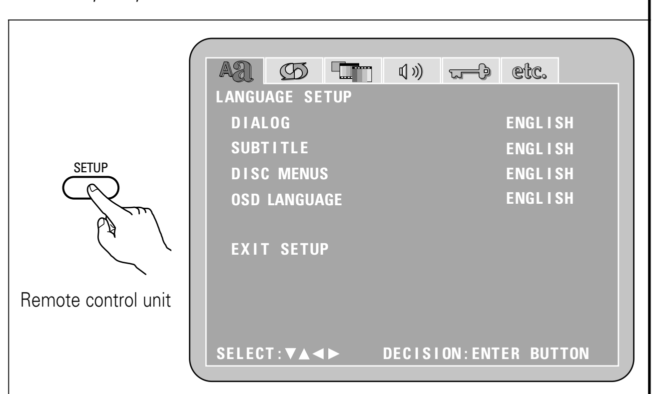
Use this to set the DVD-3910's audio output mode.
(Digital and LPCM output settings.)

RATINGS

Use this to disable playback of adult DVDs so that children cannot watch them. Note that playback of adult DVDs cannot be disabled if the rating level is not recorded on the DVD.

OTHER SETUP etc.

These include special settings such as CAPTIONS, WALL PAPER , etc,.



Remote control unit

3

Use the ◄ and ► cursor buttons to select the desired setting item, then press the ENTER button.
Select "LANGUAGE SETUP". (See page 29.)
Select "DIGITAL INTERFACE SETUP". (See page 32.)
Select "VIDEO SETUP". (See page 36.)
Select "AUDIO SETUP". (See page 38.)
Select "RATINGS". (See page 43.)
Select "OTHER SETUP". (See page 45.)

◄ ► ENTER

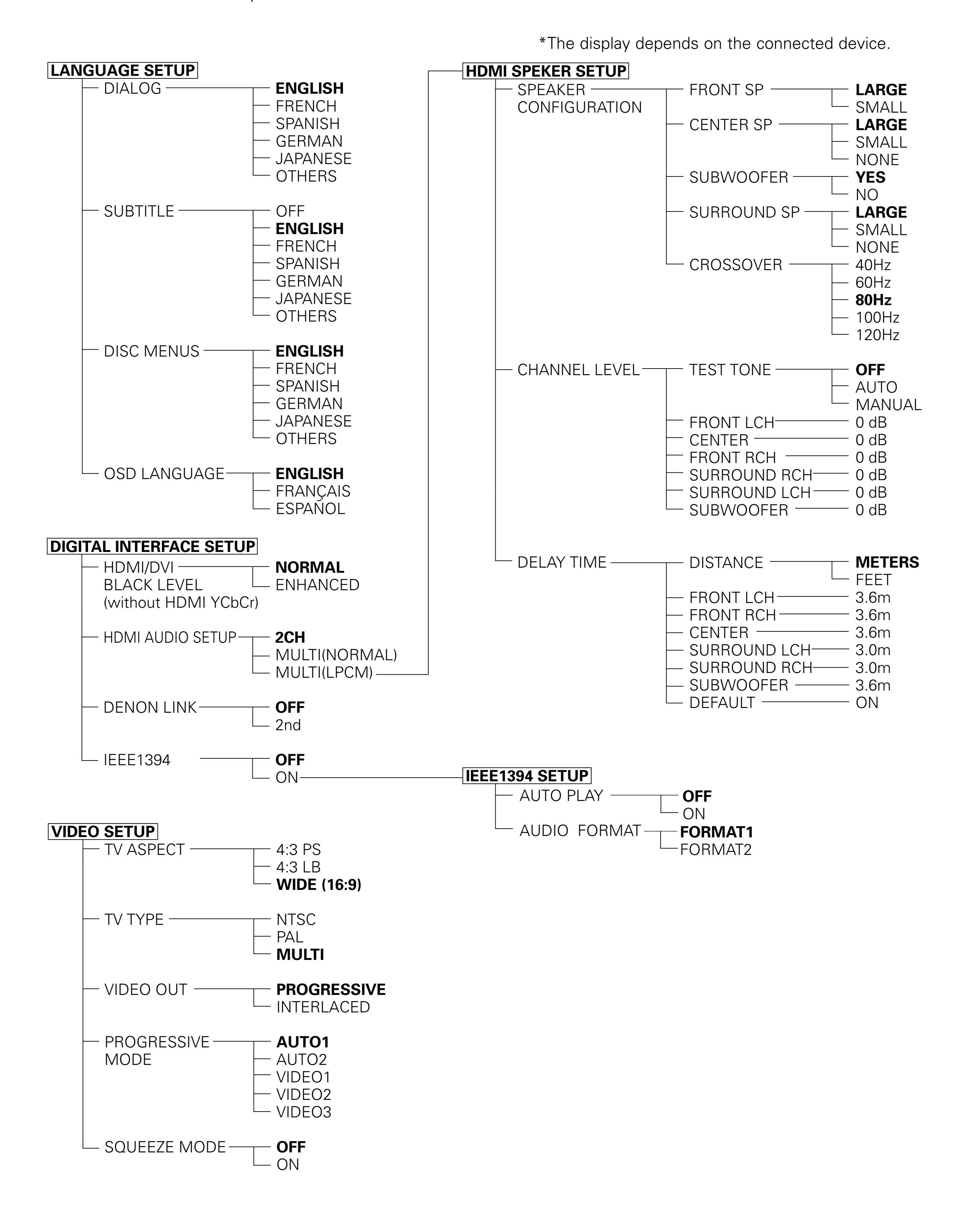
Remote control unit Remote control unit

✻ **To exit the setup mode**

Use the ▼ cursor button to select "EXIT SETUP", then press the ENTER button. It is also possible to quit by pressing the SETUP button on the remote control unit.

Setup items for use

Bold characters indicate factory defaults.



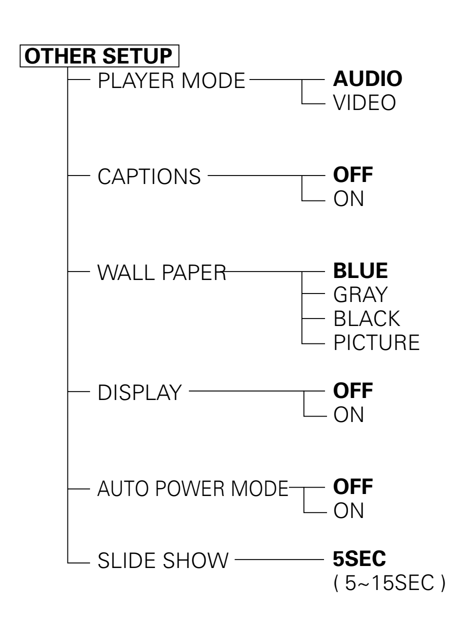
Bold characters indicate factory defaults.

AUDIO SETUP

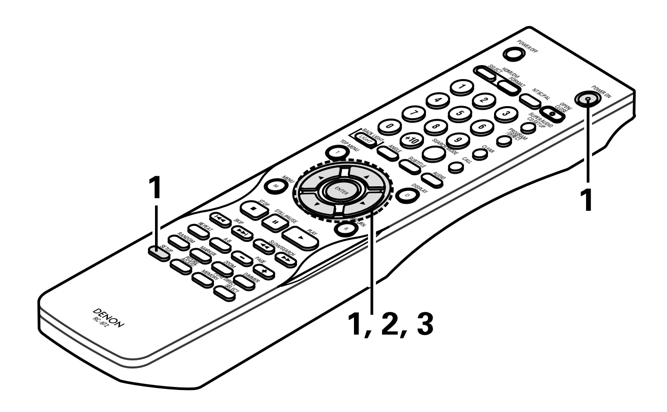
- AUDIO CHANNEL
  - **MULTI CHANNEL** — **SPEAKER SETUP**
    - SPEAKER CONFIGURATION
      - FRONT SP: **LARGE** / SMALL
      - CENTER SP: **LARGE** / SMALL / NONE
      - SUBWOOFER: **YES** / NO
      - SURROUND SP: **LARGE** / SMALL / NONE
      - CROSSOVER: 40Hz / 60Hz / **80Hz** / 100Hz / 120Hz
    - CHANNEL LEVEL
      - TEST TONE: **OFF** / AUTO / MANUAL
      - FRONT LCH — 0 dB
      - CENTER — 0 dB
      - FRONT RCH — 0 dB
      - SURROUND RCH — 0 dB
      - SURROUND LCH — 0 dB
      - SUBWOOFER — 0 dB
      - SW+10dB: **OFF** / ON
    - DELAY TIME
      - DISTANCE: **METERS** / FEET
      - FRONT LCH — 3.6m
      - FRONT RCH — 3.6m
      - CENTER — 3.6m
      - SURROUND LCH — 3.0m
      - SURROUND RCH — 3.0m
      - SUBWOOFER — 3.6m
      - DEFAULT — ON
  - 2 CH(SRS OFF)
  - 2 CH(SRS ON)
- DIGITAL OUT: **NORMAL** / PCM
- LPCM (44.1 kHz/48 kHz): **OFF** / ON
- SOURCE DIRECT: **OFF** / ON
- BASS ENHANCER: **OFF** / ON
- COMPRESSION: **OFF** / ON
- SACD FILTER: **50kHz** / 100kHz

RATINGS

- RATING LEVEL: 0(LOCK ALL) / 1 / 2 / 3 / 4 / 5 / 6 / 7 / **8(NO LIMIT)**
- PASSWORD — CHANGE
  - OLD PASSWORD
  - NEW PASSWORD
  - COMFIRM PASSWORD



When "LANGUAGE SETUP" is selected



<table>
<tr><td>1</td><td>See page 26.</td><td rowspan="2">Remote control unit
Remote control unit

LANGUAGE SETUP
DIALOG ENGLISH
SUBTITLE ENGLISH
DISC MENUS ENGLISH
OSD LANGUAGE ENGLISH
EXIT SETUP
SELECT: ▲▼◄► DECISION:ENTER BUTTON</td></tr>
<tr><td>2</td><td>Use the ▲ and ▼ cursor buttons to select the desired setting, then press the ENTER button.

DIALOG
Use this to set the language of the sound output from the speakers.

SUBTITLE
Use this to set the language of the subtitles displayed on the TV.

DISC MENUS
Use this to set the language of the menus recorded on the disc (top menu, etc.).

OSD LANGUAGE
Use this to set the language for the default setting screen and messages displayed on the TV screen("PLAY",etc.)</td></tr>
<tr><td>3</td><td>Use the ▲ and ▼ cursor buttons to select the desired setting, then press the ENTER button.

① When "DIALOG" is selected:
ENGLISH (Factory default)
Select this when you want to play the DVD with the sound in English.
FRENCH
Select this when you want to play the DVD with the sound in French.
SPANISH
Select this when you want to play the DVD with the sound in Spanish.
GERMAN
Select this when you want to play the DVD with the sound in German.
JAPANESE
Select this when you want to play the DVD with the sound in Japanese.
OTHERS
Use the number buttons to input the language number.
(See "Language code list" on page 31.)</td><td>Remote control unit
Remote control unit

LANGUAGE SETUP
DIALOG ENGLISH
SUBTITLE FRENCH
DISC MENUS SPANISH
OSD LANGUAGE GERMAN
JAPANESE
EXIT SETUP OTHERS
SELECT: ▲▼◄► DECISION:ENTER BUTTON</td></tr>
</table>

3

② When “SUBTITLE” is selected:

OFF
Select this if you do not want to display the subtitles. (For some discs it is not possible to turn off the subtitle display.)

ENGLISH (Factory default)
Select this when you want to play the DVD with the subtitles in English.

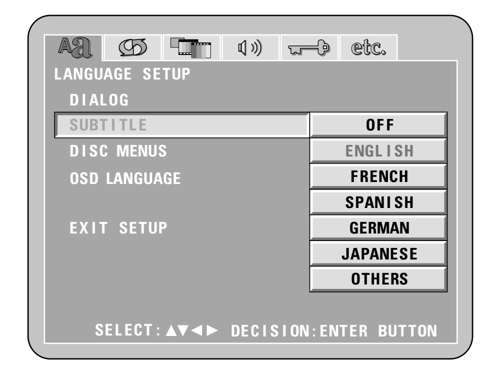
FRENCH
Select this when you want to play the DVD with the subtitles in French.

SPANISH
Select this when you want to play the DVD with the subtitles in Spanish.

GERMAN
Select this when you want to play the DVD with the subtitles in German.

JAPANESE
Select this when you want to play the DVD with the subtitles in Japanese.

OTHERS
Use the number buttons to input the language number.
(See “Language code list” on page 31.)



③ When “DISC MENUS” is selected:

ENGLISH (Factory default)
Select this when you want to display the menus in English.

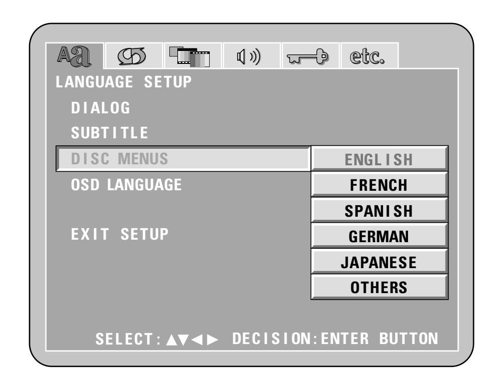
FRENCH
Select this when you want to display the menus in French.

SPANISH
Select this when you want to display the menus in Spanish.

GERMAN
Select this when you want to display the menus in German.

JAPANESE
Select this when you want to display the menus in Japanese.

OTHERS
Use the number buttons to input the language number.
(See “Language code list” on page 31.)

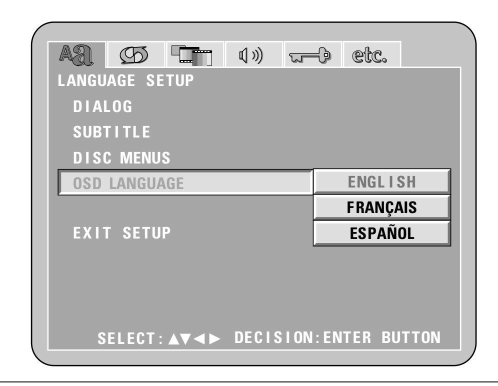


④ When “OSD LANGUAGE” is selected:

ENGLISH (Factory default)
Select this to set the OSD language to English.

FRANÇAIS
Select this to set the OSD language to French.

ESPAÑOL
Select this to set the OSD language to Spanish.

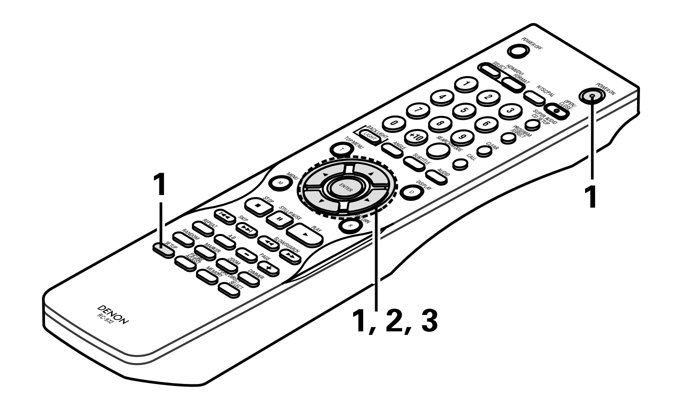


✻ **To exit the setup mode**
Use the ▼ cursor button to select “EXIT SETUP”, then press the ENTER button. It is also possible to quit by pressing the SETUP button on the remote control unit.

Language code list

Code	Language	Code	Language	Code	Language	Code	Language
6565	Afar	**7079**	Faroese	**7678**	Lingala	**8375**	Slovak
6566	Abkhazian	**7082**	French	**7679**	Laothian	**8376**	Slovenian
6570	Afrikaans	**7089**	Frisian	**7684**	Lithuanian	**8377**	Samoan
6577	Ameharic	**7165**	Irish	**7686**	Latvian, Lettish	**8378**	Shona
6582	Arabic	**7168**	Scots Gaelic	**7771**	Malagasy	**8379**	Somali
6583	Assamese	**7176**	Galician	**7773**	Maori	**8381**	Albanian
6588	Aymara	**7178**	Guarani	**7775**	Macedonish	**8382**	Serbian
6590	Azerbaijani	**7185**	Gujarati	**7776**	Malayalam	**8385**	Sundanese
6665	Bashkir	**7265**	Hausa	**7778**	Mongolian	**8386**	Swedish
6669	Byelorussian	**7273**	Hindi	**7779**	Moldavian	**8387**	Swahili
6671	Bulgarian	**7282**	Croatian	**7782**	Marathi	**8465**	Tamil
6672	Bihari	**7285**	Hungarian	**7783**	Malay	**8469**	Telugu
6678	Bengali; Bangla	**7289**	Armenian	**7784**	Maltese	**8471**	Tajik
6679	Tibetan	**7365**	Interlingua	**7789**	Burmese	**8472**	Thai
6682	Breton	**7378**	Indonesian	**7865**	Nauru	**8473**	Tigrinya
6765	Catalan	**7383**	Icelandic	**7869**	Nepali	**8475**	Turkmen
6779	Corsican	**7384**	Italian	**7876**	Dutch	**8476**	Tagalog
6783	Czech	**7387**	Hebrew	**7879**	Norwegian	**8479**	Tonga
6789	Welsh	**7465**	Japanese	**7982**	Oriya	**8482**	Turkish
6865	Danish	**7473**	Yiddish	**8065**	Panjabi	**8484**	Tatar
6869	German	**7487**	Javanese	**8076**	Polish	**8487**	Twi
6890	Bhutani	**7565**	Georgian	**8083**	Pashto, Pushto	**8575**	Ukrainian
6976	Greek	**7575**	Kazakh	**8084**	Portuguese	**8582**	Urdu
6978	English	**7576**	Greenlandic	**8185**	Quechua	**8590**	Uzbek
6979	Esperanto	**7577**	Cambodian	**8277**	Rhaeto-Romance	**8673**	Vietnamese
6983	Spanish	**7578**	Kannada	**8279**	Romanian	**8679**	Volapük
6984	Estonian	**7579**	Korean	**8285**	Russian	**8779**	Wolof
6985	Basque	**7583**	Kashmiri	**8365**	Sanskrit	**8872**	Xhosa
7065	Persian	**7585**	Kurdish	**8368**	Sindhi	**8979**	Yoruba
7073	Finnish	**7589**	Kirghiz	**8372**	Serbo-Croatian	**9072**	Chinese
7074	Fiji	**7665**	Latin	**8373**	Singhalese	**9085**	Zulu

When “DIGITAL INTERFACE SETUP” is selected



1

See page 26.

2

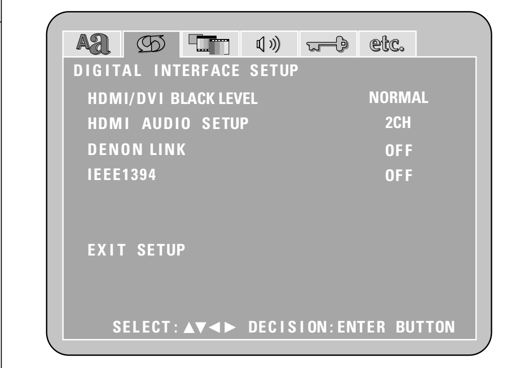
Use the ▲ and ▼ cursor buttons to select the desired setting, then press the ENTER button.

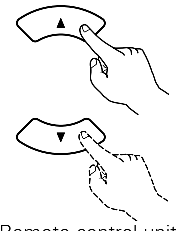
HDMI/DVI BLACK LEVEL
Switches the digital RGB video level (data range) of the HDMI and the DVI-D terminals.

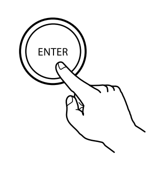
HDMI AUDIO SETUP
Use this to adjust for the audio signals from the HDMI terminal.

DENON LINK
Use this to output digital signals from the DENON LINK terminal.

IEEE1394
Use this to output digital signals from the IEEE1394 terminal.




Remote control unit



Remote control unit

3

Use the ▲ and ▼ cursor buttons to select the desired setting, then press the ENTER button.

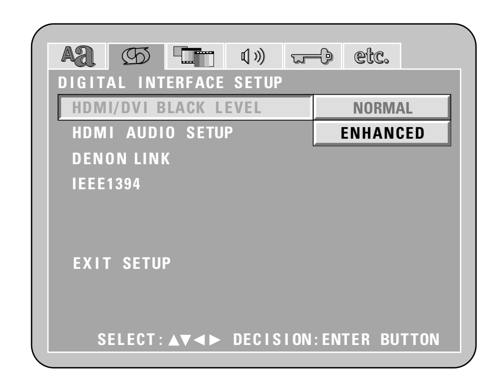
① When “HDMI/DVI BLACK LEVEL” is selected:

NORMAL (Factory default)
Signals are output from the HDMI and the DVI-D terminals with a digital RGB video level (data range) of 16(black) to 235(white).

ENHANCED
Signals are output from the HDMI and the DVI-D terminals with a digital RGB video level (data range) of 0(black) to 246(white).

✻When the HDMI and the DVI-D terminals are connected , the black may seem to stand out, depending on the TV or the Monitor you are using. In this case, set this to “ENHANCED”.

✻When select “HDMI Y Cb Cr” under “HDMI/DVI SELECT”, will have no effect.



3

② When "HDMI AUDIO SETUP" is selected:

2CH (Channel) (Factory default)

The audio signals are output from the HDMI terminal with a down-mixed to 2 channel.

MULTI(NORMAL)

The multi-channel audio signals are output from the HDMI terminal with a bit-stream.

MULTI(LPCM)

The multi-channel audio signals are output from the HDMI terminal with a linear PCM.

◎ When "MULTI (LPCM)" is selected, use the ▲ and ▼ cursor buttons to select the item to be set, then press the ENTER button.

SPEAKER CONFIGURATION

Use this to select the types of the different speakers.

CHANNEL LEVEL

Use this to adjust the output level of the different speakers.

DELAY TIME

Use this to set the distance from the different speakers to the listening position.

✻To exit the SPEAKER SETUP mode.
Use the ▼ cursor button to select "DIGITAL INTERFACE SETUP" then press ENTER button.

◎ When "SPEAKER CONFIGURATION" is selected, use the ▲ and ▼ cursor buttons to select the speaker to be set then press the ENTER button.

- The type of speaker used for the front speakers, center speaker, subwoofer and surround speakers can be set. Use the ▲ and ▼ cursor buttons to select the speaker type, then press the ENTER button.

LARGE

Select this when a large speaker is connected.

SMALL

Select this when a small speaker is connected.

NONE

Select this when no speaker is connected.

YES

Select this when a subwoofer is connected.

NO

Select this when no subwoofer is connected.

- When "CROSSOVER" is selected:
  40 Hz, 60 Hz, 80 Hz (Factory default), 100 Hz, 120 Hz, set the frequency of cross over.

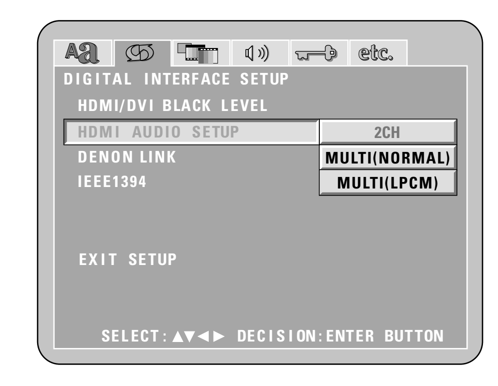
✻Press the RETURN button to return to the "HDMI SPEAKER SETUP" menu.

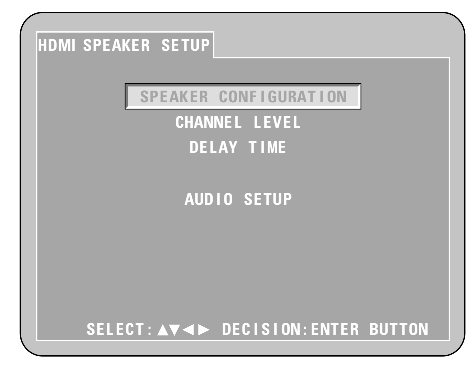
◎ When "CHANNEL LEVEL" is selected, use the ▲ and ▼ cursor buttons to select the speaker to be adjusted, then use the ◄ and ► cursor buttons to set the level.

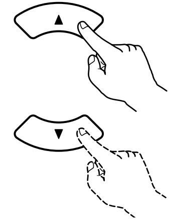
TEST TONE

- Use the ◄ and ► cursor buttons to select auto or manual.
  Adjust so that the volume of the test tones output from the different speakers sounds the same.
- The volume level output from the front speakers (left and right channels), center speaker, surround speakers (left and right channels) and subwoofer can be adjusted.
- The volume level can be adjusted between 0 and –10 dB in steps of 1 dB.

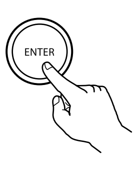
✻Press the RETURN button to return to the "HDMI SPEAKER SETUP" menu.



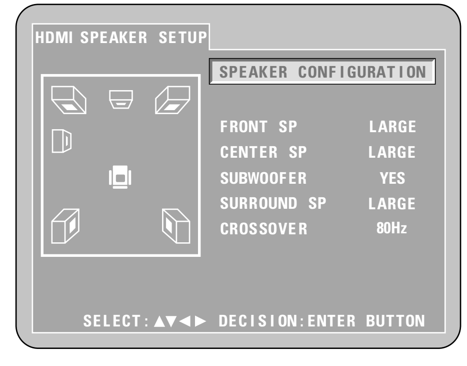




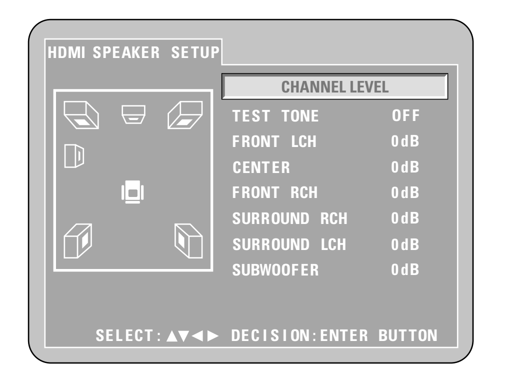
Remote control unit



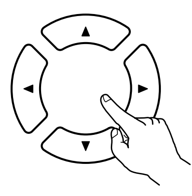
Remote control unit



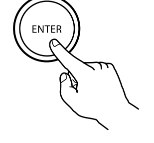
*The display depends on the connected device.
(Indicates whether or not speakers are connected.)



3

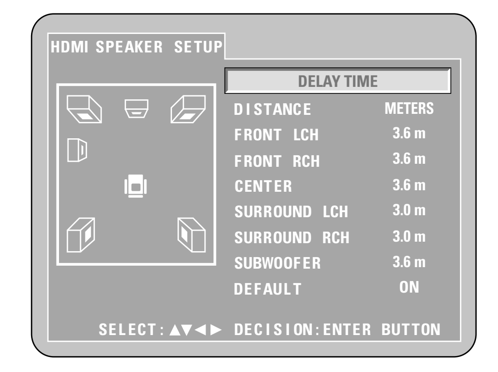


Remote control unit

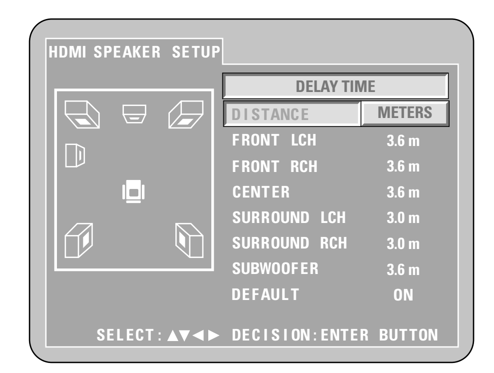


Remote control unit

◎ When "DELAY TIME" is selected:
With 5.1-channel surround sound, ideally the distance between the listening position and all the speakers aside from the subwoofer should be the same. The delay time setting can be used to make the sound from the different speakers reach the listening position at the same time.
Use the ▲ and ▼ cursor buttons to select the setting item, then press the ENTER button.

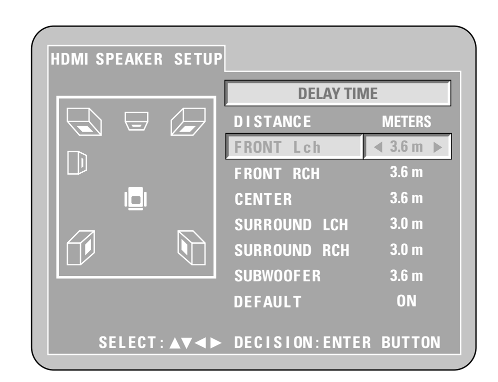


◎ When "DISTANCE" is selected:
METERS (when the ◀ cursor button is pressed):
The unit of distance is set to meters ("m").
FEET (when the ▶ cursor button is pressed):
The unit of distance is set to feet ("ft").

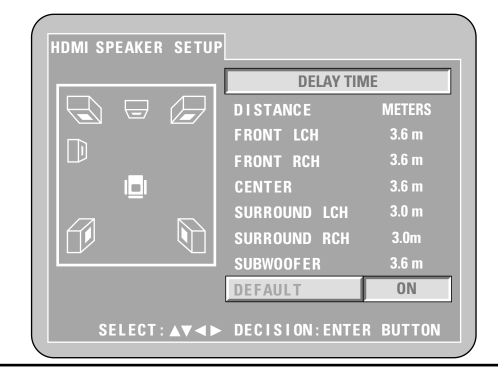


◎When "FRONT LCH", "FRONT RCH", "CENTER", "SURROUND LCH", "SURROUND RCH", "SUBWOOFER" is selected:
Use the ◀ and ▶ cursor buttons to set the distance from the listening position to the different speakers.

✻ The distance can be set within the range of 0 to 18 meters (60 feet).
✻ The maximum difference in speaker distance for which adjustment is possible is 4.5 meters (15 feet).



◎ When "DEFAULT" is selected:
When "DEFAULT" is selected and the ENTER button is pressed, all the items are restored to their factory default settings.



✻ When digital connections are made with an AV amplifier, make the speaker settings on the AV amplifier.
For DVD audio discs, the disc's settings are given priority, so the sound may not be produced as set with the above speaker mode setting.

✻ Press the RETURN button to return to the "HDMI SPEAKER SETUP" menu.

✻ When the HDMI connection cable is disconnected, the "SPEAKER CONFIGURATION", "CHANNEL LEVEL", and "DELAY TIME" settings under "HDMI SPEAKER SETUP" are stored.

3

③ When "DENON LINK" is selected:

OFF (Factory default)

Digital audio signals are not output from the DENON LINK terminal.

2nd

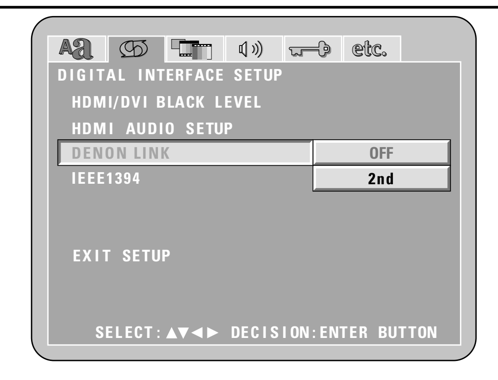
Set this when the amplifier to be connected by DENON LINK 2nd.

※ If you connect the DENON LINK, set to 2nd.

※ When the DENON LINK 2nd connection, Super audio CD's signals are not output from the DENON LINK connector. Please use the analog output terminals or the IEEE1394 connection.

※ When the DENON LINK connection, could be output 192-176kHz/24bit 2ch sources or 96kHz/24bit 6ch sources.

※ When the DENON LINK is set, the down mixed audio signals are output only from the Left and Right and Front Left and Front Right terminals.



④ When "IEEE1394" is selected:

OFF (Factory default)

Digital audio signals are not output from the IEEE1394 terminal.

ON

◎ When "ON" is selected:

This will lead to the "AUTO PLAY", and "AUDIO FORMAT" setting screens. Select the item to be set using the (▲, ▼) cursor buttons and press the ENTER button.

※ No audio signals are output from the analog connectors when IEEE1394 is set.

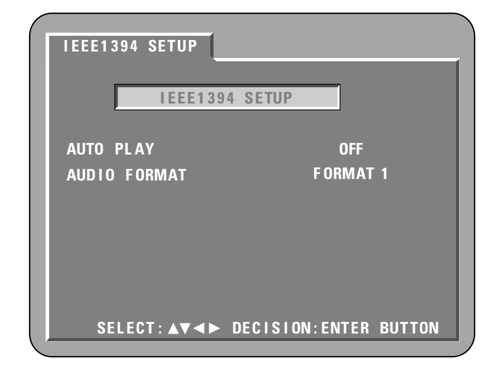


◎ Auto Play

Set this when automatically playing this unit from another device, under circumstances in which this unit is used in conjunction with a DENON device that supports IEEE1394.

◎ Audio Format

Set this format of audio signals from IEEE1394 connector.



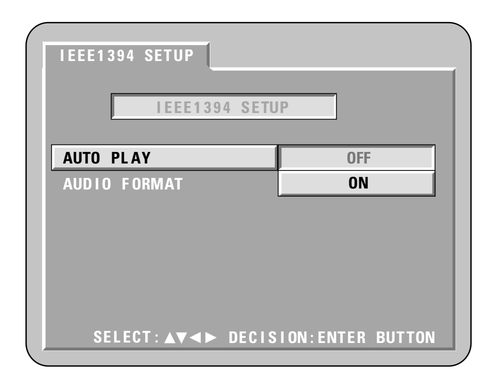
◎ Auto Play Setting Method

OFF (Factory default)

Set this when you do not wish to control the operation of this unit from another device.

ON

Set this when you wish to control the operation of this unit from another device.



◎ Audio Format Setting Method

FORMAT 1 (Factory default)

Set this when you conjunction with a DENON device.

FORMAT 2

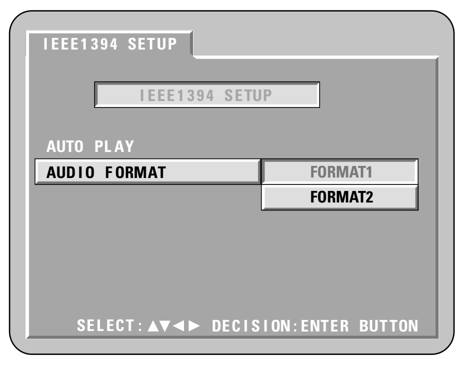
This is a mode for future system expansion.

IEEE1394 indicator in the display

When "IEEE1394" set to "ON", this indicator lights as bellow.

IEEE1394

- flashing . . . . . . self check of IEEE1394 connections.
- light . . . . IEEE1394 connection is OK.
- slow flashing . . IEEE1394 connection is NG. (Loop connection) confirm the connection.
- fast flashing . . . IEEE1394 connection is NG. confirm the connection.

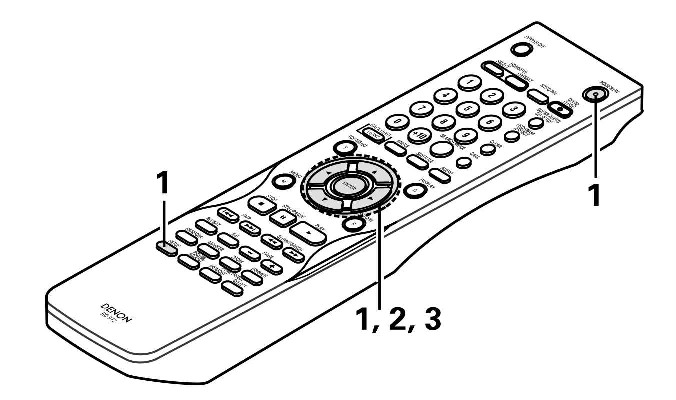


✻ **To exit the setup mode**

Use the ▼ cursor button to select "EXIT SETUP", then press the ENTER button.

It is also possible to quit by pressing the SETUP button on the remote control unit.

When “VIDEO SETUP” is selected



1

See page 26.

2

Use the ▲ and ▼ cursor buttons to select the desired setting, then press the ENTER button.

TV ASPECT
Use this to set the shape of your TV’s screen.

TV TYPE
Use this to set your TV’s video format (NTSC, PAL or MULTI).

VIDEO OUT
Use this to select either the progressive image output or interlace image output.

PROGRESSIVE MODE
A method of progressive conversion can be set depending on the image recorded to the DVD.

SQUEEZE MODE
The size of the screen to be output can be switched.

Remote control unit Remote control unit

VIDEO SETUP
TV ASPECT WIDE(16:9)
TV TYPE MULTI
VIDEO OUT PROGRESSIVE
PROGRESSIVE MODE AUTO1
SQUEEZE MODE OFF
EXIT SETUP
SELECT:▲▼◄► DECISION:ENTER BUTTON

3

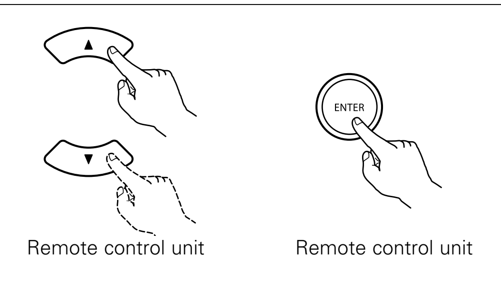
Use the ▲ and ▼ cursor buttons to select the desired setting, then press the ENTER button.

① When “TV ASPECT” is selected:

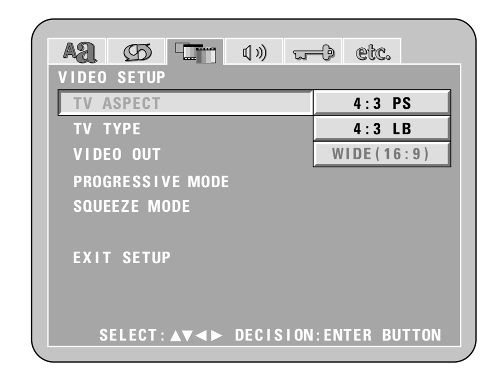
4:3 PS
Select this to play wide DVDs in the pan & scan mode (with the sides of the picture cut off). Discs for which pan & scan is not specified are played in the letter box mode.

4:3 LB
Select this to play wide DVDs in the letter box mode (with black strips at the top and bottom).

WIDE (16:9) (Factory default)
Select this to play wide DVDs in the full-screen mode.



Remote control unit Remote control unit



3

② When "TV TYPE" is selected:
NTSC
Select this when your TV's video format is NTSC.
If NTSC is selected, output format is fixed to NTSC.
PAL
Select this when your TV's video format is PAL.
If PAL is selected, output format is fixed to PAL.
MULTI (Factory default)
Select this when your TV is compatible with both the NTSC and PAL formats.
NTSC signals are output from the video output jacks when discs recorded in NTSC format are played, and PAL signals are output from the video output jacks when discs recorded in PAL format are played.

NOTE:
- If "TV TYPE" is set to a format other than a registered TV format, the image may no longer be smooth and the top and bottom of the image may be cut off.

③ When "VIDEO OUT" is selected: (NOTES)
PROGRESSIVE (Factory default)
Select this when using the DVD-3910 connected to a progressive type TV.
INTERLACED
Select this when using the DVD-3910 connected to an interlace type TV.

NOTE:
- For the component output only, it is possible to switch between interlace image output and progressive image output. It is not possible to specify progressive image output for the Video output connector or S-Video output connector.

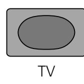
④ When "PROGRESSIVE MODE" is selected:
AUTO 1 (Factory default)
Select this when the image recorded to the DVD is film material.
AUTO 2
Select this when the image recorded to the DVD is 30-frame film material.
VIDEO 1 TO **3**
Select this when the image recorded to the DVD is video material.
VIDEO 1
Select this for regular video material.
VIDEO 2
Select this for video material having little movement.
VIDEO 3
Select this for video material having a lot of movement.

⑤ When "SQUEEZE MODE" is selected:

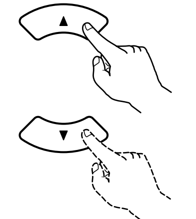
OFF (Factory default)
Select this to display without changing the screen size.

TV

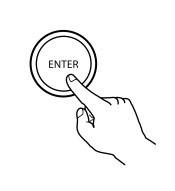
ON
Select this when playing back a 4:3 image that you wish to display at 4:3 aspect ratio at the center of a 16:9 TV.


TV

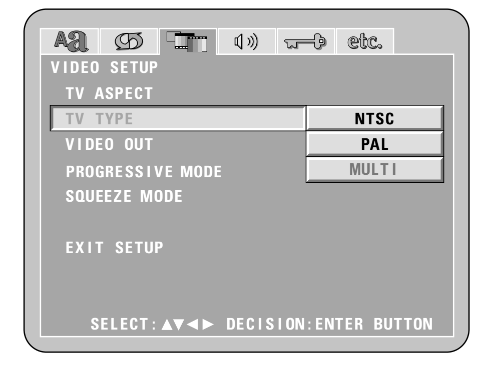
✻ Only effective for set to "WIDE (16:9)" at "TV ASPECT". (See page 36.)
✻ No effective for interlaced image.

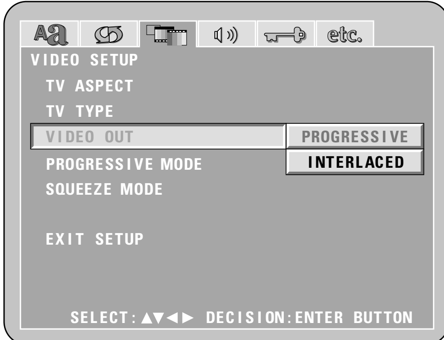


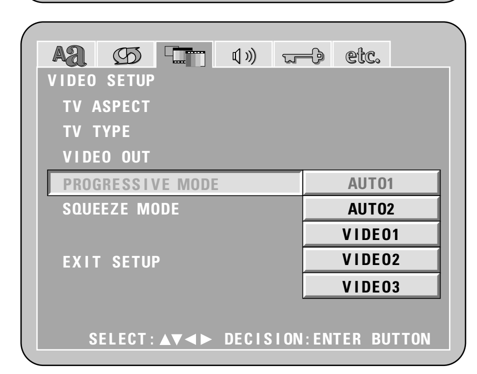
Remote control unit

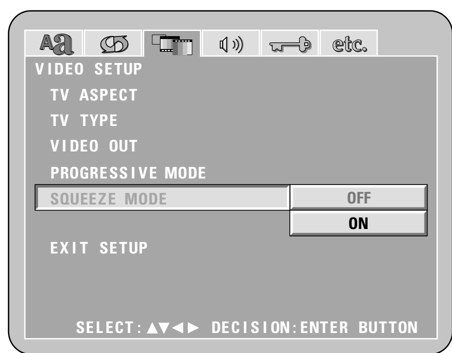


Remote control unit



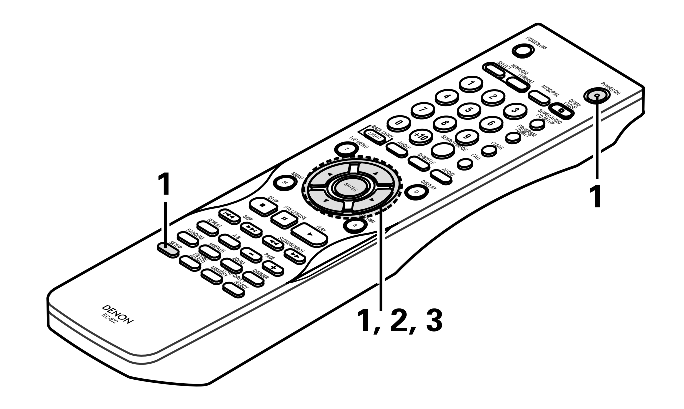






✻ **To exit the setup mode**
Use the ▼ cursor button to select "EXIT SETUP", then press the ENTER button. It is also possible to quit by pressing the SETUP button on the remote control unit.

When "AUDIO SETUP" is selected



1

See page 26.

2

Use the ▲ and ▼ cursor buttons to select the desired setting, then press the ENTER button.

AUDIO CHANNEL
Use this to adjust for the connected speaker systems.

DIGITAL OUT
Use this to select the digital output's signal format.

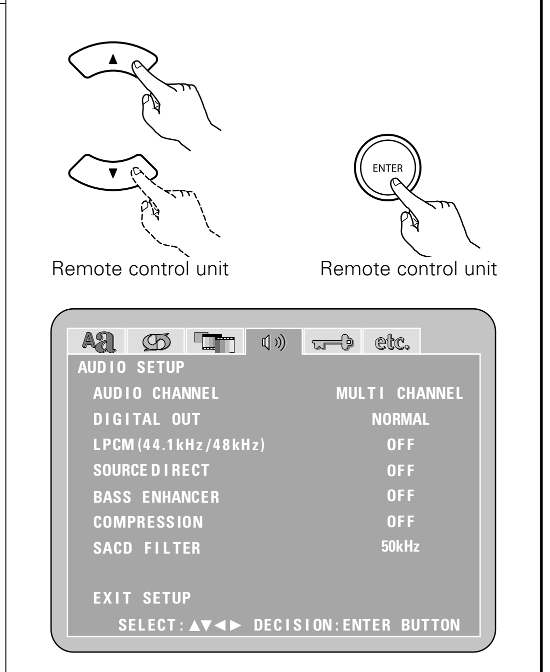
LPCM (44.1 kHz/48 kHz)
Use this to set the digital audio output when playing DVDs recorded in linear PCM audio.

SOURCE DIRECT
This permits a setting to output the audio without adding speaker settings or channel level processing to the audio signals of DVD audio or Super Audio CD.

BASS ENHANCER
Set whether or not to output audio signals from the subwoofer when playing two-channel audio signals.
✻ The BASS ENHANCER settings do not apply to digital outputs.

COMPRESSION
Use this to set the dynamic range output when playing discs.

SACD FILTER
The low pass filter value when playing Super Audio CDs can be set.



3

Use the ▲ and ▼ cursor buttons to select the desired setting, then press the ENTER button.

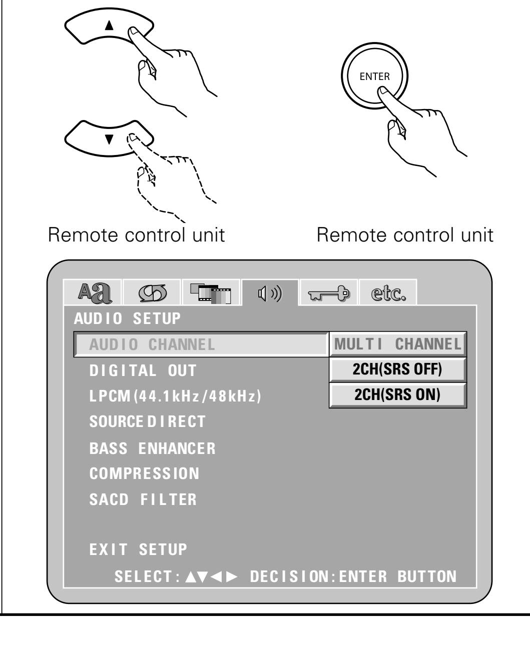
① When "AUDIO CHANNEL" is selected:

◎ Use the ▲ and ▼ cursor buttons to select the item to be set, then press the ENTER button.

MULTI CHANNEL (Factory default)
Select this for systems in which three or more speakers are connected.
When MULTI CHANNEL is set, the speaker settings (SPEAKER CONFIGURATION), speaker output level adjustment (CHANNEL LEVEL) and speaker distances (DELAY TIME) can be set.

2CH(SRS OFF)
Select this does not use to the SRS TruSurround function for systems in which only two speakers are connected.

2CH(SRS ON) **(See page 40.)**
Select this use to the SRS TruSurround function for systems in which only two speakers are connected.
The indicator " (●) " in the display lights at this mode.



3

◎ When "MULTI CHANNEL" is selected, use the ▲ and ▼ cursor buttons to select the item to be set, then press the ENTER button.

SPEAKER CONFIGURATION
Use this to select the types of the different speakers.

CHANNEL LEVEL
Use this to adjust the output level of the different speakers.

DELAY TIME
Use this to set the distance from the different speakers to the listening position.

✻ To exit the SPEAKER SETUP mode
Use the ▼ cursor button to select "AUDIO SETUP" then press ENTER button.

✻ The SPEAKER CONFIGURATION settings only apply to analog outputs.

◎ When "SPEAKER CONFIGURATION" is selected, use the ▲ and ▼ cursor buttons to select the speaker to be set then press the ENTER button.

- The type of speaker used for the front speakers, center speaker, subwoofer and surround speakers can be set. Use the ▲ and ▼ cursor buttons to select the speaker type, then press the ENTER button.

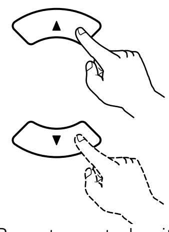
  LARGE
  Select this when a large speaker is connected.
  SMALL
  Select this when a small speaker is connected.
  NONE
  Select this when no speaker is connected.
  YES
  Select this when a subwoofer is connected.
  NO
  Select this when no subwoofer is connected.
- When "CROSSOVER" is selected.
  40 Hz, 60 Hz, 80 Hz (Factory default), 100 Hz, 120 Hz, set the frequency of crossover.

✻ Press the RETURN button to return to the "SPEAKER SETUP" menu.

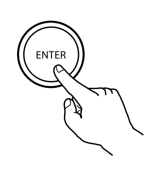
◎ When "CHANNEL LEVEL" is selected, use the ▲ and ▼ cursor buttons to select the speaker to be adjusted, then use the ◄ and ► cursor buttons to set the level.

TEST TONE
- Use the ◄ and ► cursor buttons to select auto or manual. Adjust so that the volume of the test tones output from the different speakers sounds the same.
- The volume level output from the front speakers (left and right channels), center speaker, surround speakers (left and right channels) and subwoofer can be adjusted.
- The volume level can be adjusted between 0 and –10 dB in steps of 1 dB.
- Settings SW + 10 dB to "ON" increases by 10 dB the volume level that is output from the subwoofer.

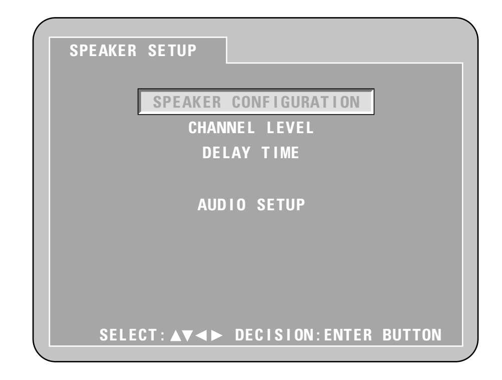
✻ Press the RETURN button to return to the "SPEAKER SETUP" menu.

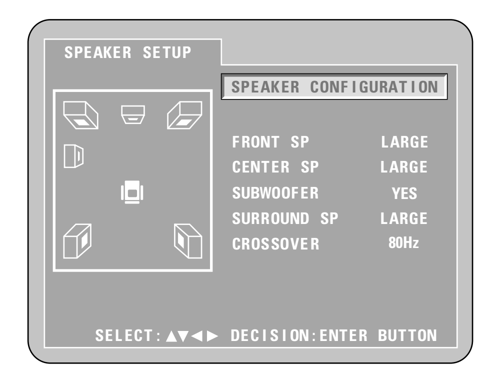


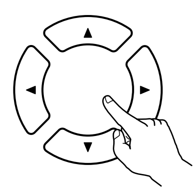
Remote control unit



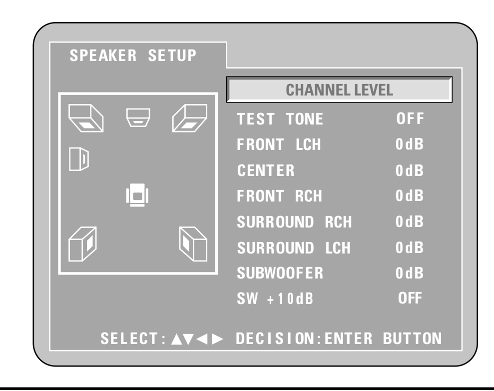
Remote control unit

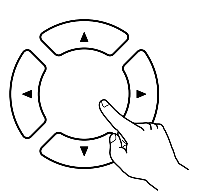




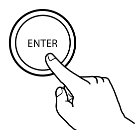


Remote control unit





Remote control unit



Remote control unit

3

◎ When “DELAY TIME” is selected:
With 5.1-channel surround sound, ideally the distance between the listening position and all the speakers aside from the subwoofer should be the same. The delay time setting can be used to make the sound from the different speakers reach the listening position at the same time.

Use the ▲ and ▼ cursor buttons to select the setting item, then press the ENTER button.

- When “DISTANCE” is selected:
  METERS (when the ◄ cursor button is pressed):
  The unit of distance is set to meters (“m”).
  FEET (when the ► cursor button is pressed):
  The unit of distance is set to feet (“ft”).

- When “FRONT LCH”, “FRONT RCH”, “CENTER”, “SURROUND LCH”, “SURROUND RCH”, “SUBWOOFER” is selected:
  Use the ◄ and ► cursor buttons to set the distance from the listening position to the different speakers.
  ✻ The distance can be set within the range of 0 to 18 meters (60 feet).
  ✻ The maximum difference in speaker distance for which adjustment is possible is 4.5 meters (15 feet).

- When “DEFAULT” is selected:
  When “DEFAULT” is selected and the ENTER button is pressed, all the items are restored to their factory default settings.

✻ When digital connections are made with an AV amplifier, make the speaker settings on the AV amplifier.
For DVD audio discs, the disc’s settings are given priority, so the sound may not be produced as set with the above speaker mode setting.

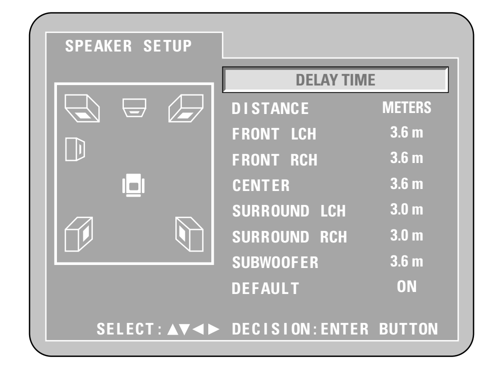
✻ Press the RETURN button to return to the “SPEAKER SETUP” menu.

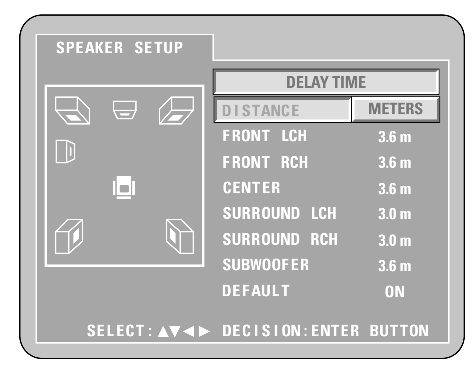
The SRS TruSurround function (only for DVD-videos and Video CDs)

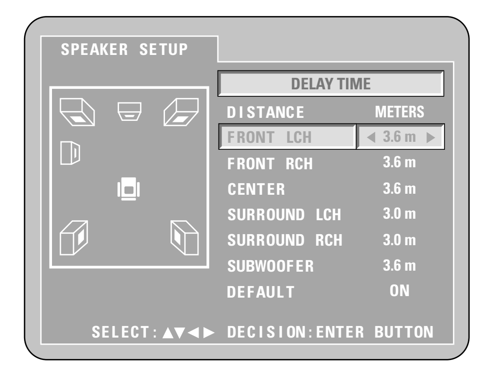
■ The multi-channel sound normally achieved with five speakers is recreated using only the two front stereo speakers. This results in a sound with a nearly natural sense of movement that seems to surround the head, without the strong directivity characteristic of multi-speaker systems.

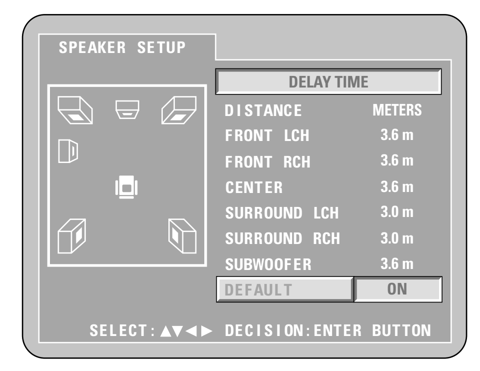
NOTES:

- This function only works with DVD-videos and video CDs only.
- Note that for some discs the effect will be weak or there will be no effect.
- Turn off other surround functions (the TV’s surround mode, etc.).









3

② When “DIGITAL OUT” is selected:

NORMAL (Factory default)

When playing DVDs recorded in Dolby Digital or DTS, bitstream signals are output from the digital audio output terminals. When playing DVDs recorded in linear PCM or packed PCM, linear PCM signals are output. Select “NORMAL” when making digital connections to an AV amplifier with built-in Dolby Digital and DTS decoder.

PCM

When playing Dolby Digital/DTS bitstream signals or DVDs recorded in linear PCM or packed PCM, the signals are converted into 48 kHz/16-bit PCM (2-channel) signals and output from the digital outputs. When playing DVDs recorded in PCM, linear PCM signals are output.

③ When “LPCM (44.1 kHz/ 48 kHz)” is selected:

OFF (Factory default)

When playing linear PCM or packed PCM DVDs that are not copyright-protected, for 2-channel PCM audio signals up to 96 kHz, linear PCM signals are output as such without being converted from the digital outputs. (176.2 kHz and 192 kHz signals are converted to 88.2 kHz and 96 kHz, respectively.)

For DVDs containing multi-channel PCM signals, the digital signals are down-mixed for output into two channels, front left and right. (Only the front left and right channels are output for sources for which down-mixing is prohibited.)

When playing copyright-protected linear PCM or packed PCM DVDs, in consideration of copyrights, no digital signals are output for sources exceeding 48 kHz/16 bits. When playing such sources, either set to “ON” or make analog connections. (See page 14.)

ON

Linear PCM and packed PCM signals are converted to 44.1 kHz or 48 kHz and output. (The PCM digital audio output signals are converted to 48 kHz or less in consideration of copyrights.) When making digital connections to an AV amplifier that is not compatible with 96 kHz/88.2 kHz signals, set to “ON”.

④ When “SOURCE DIRECT” is selected:

OFF (Factory default)

Please set to OFF when performing speaker settings or setting the delay time and playing back.

ON

Set to ON when playing back without performing the processing of speaker settings. Performing this setting will result in the setting of the DTS recommended all-channel, full bandwidth playback. (Note that the volume of the sub woofer will increase by 5 dB, and there will be an increase of 15 dB with a Super Audio CD.) This is also set when playing back a 6-channel source of DVD audio that has been recorded with all channels and full bandwidth. When set to “OFF”, the speaker size will be set to “Large” for all speakers and the sub woofer will be set to “Yes”. When playing back software such as this, perform the analog connections according to the software instruction manual.

⑤ When “BASS ENHANCER” is selected:

OFF (Factory default)

No sound is produced from the subwoofer.

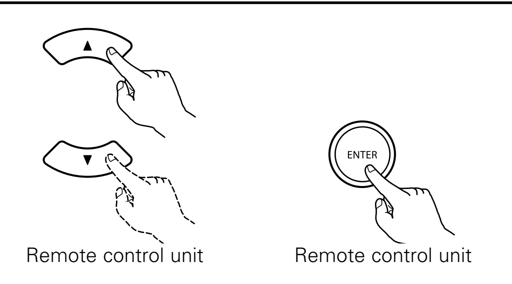
ON

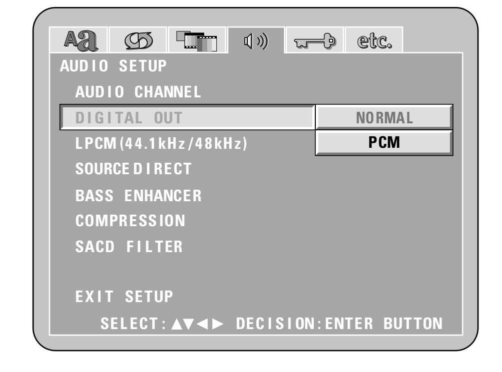
Sound is produced from the subwoofer.

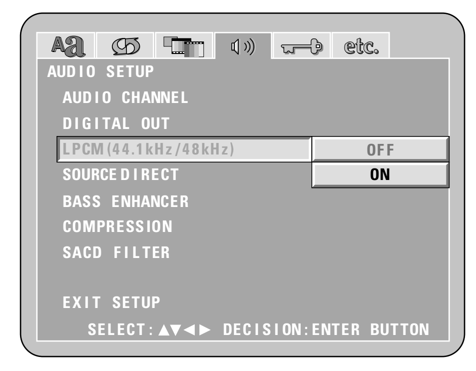
In the case, set the subwoofer to “YES” at the speaker settings.

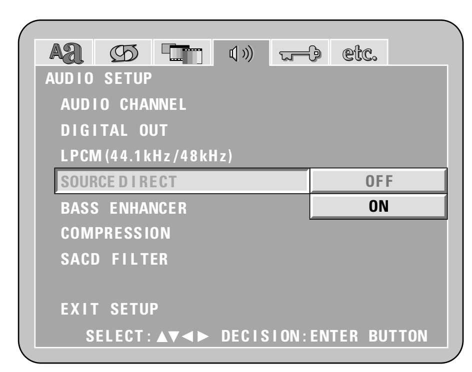
✻ This works only with analog audio output.

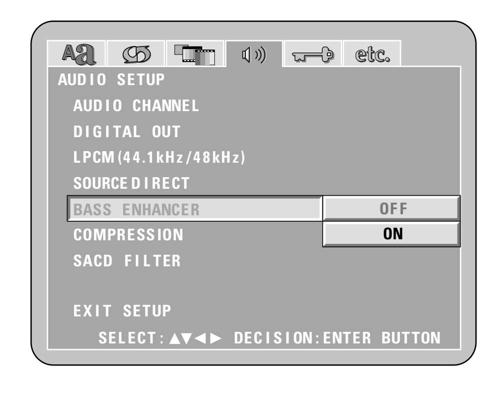
✻ This does not work at “SOURCE DIRECT” is on.











3

⑥ When "COMPRESSION" is selected:

OFF (Factory default)

Select this for the standard range.

ON

Select this to achieve powerful sound even when the volume is low. This setting is suited for watching DVDs late at night with the volume low. (This setting is only valid for DVDs recorder in Dolby Digital.)

⑦ When "SACD (Super Audio CD) FILTER" is selected:

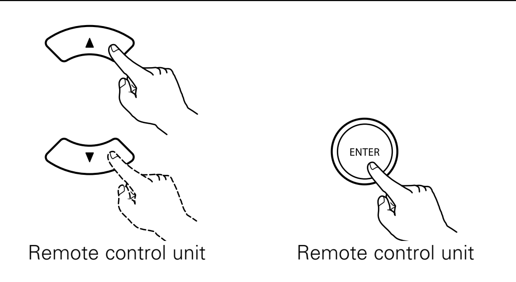
50kHz (Factory default)

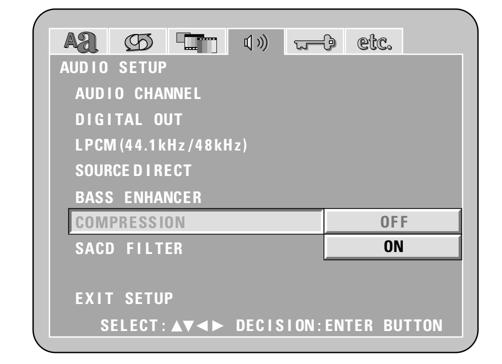
When playing Super Audio CDs, high frequencies of 50kHz and higher are cut.

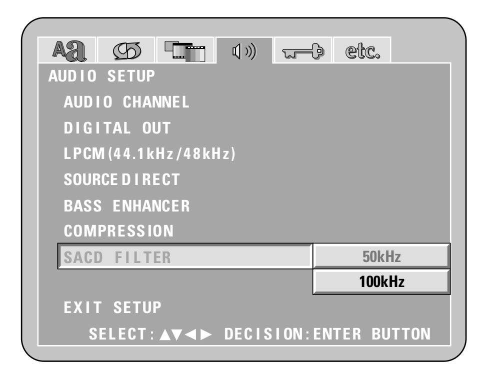
100kHz

When playing Super Audio CDs, high frequencies of 100kHz and higher are cut.

✻ Set to 100kHz when a high frequency compatible AV amplifier is connected.



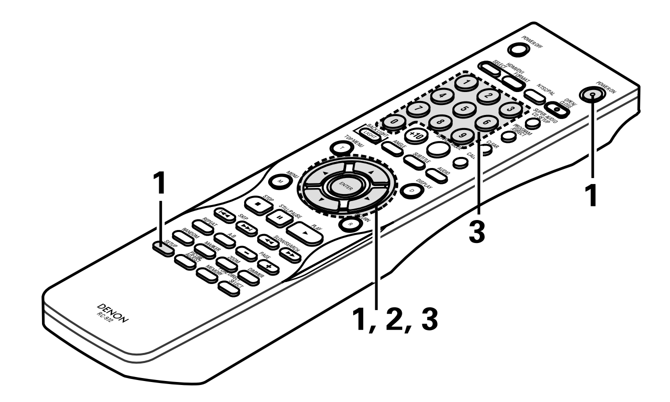


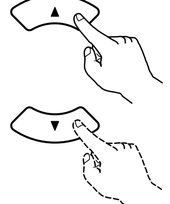
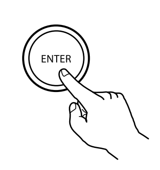
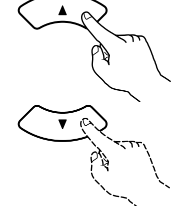
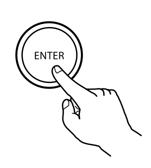
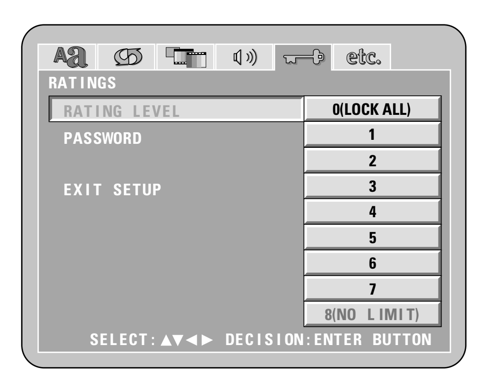


✻ To exit the setup mode

Use the ▼ cursor button to select "EXIT SETUP", then press the ENTER button. It is also possible to quit by pressing the SETUP button on the remote control unit.

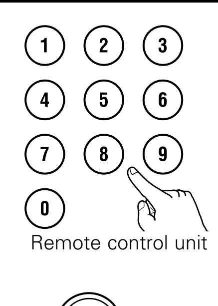
When "RATINGS" is selected



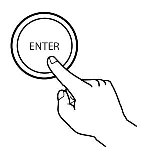
1	See page 26.	
2	Use the ▲ and ▼ cursor buttons to select the desired setting, then press the ENTER button. **RATING LEVEL** Use this to restrict playback of adult DVDs you do not want children to view. Note that even with adult DVDs, viewing cannot be restricted unless the restriction level is recorded on the disc. **PASSWORD** Use this to change the password. The default password is "0000".	  Remote control unit  Remote control unit 
3	Use the ▲ and ▼ cursor buttons to select the desired setting, then press the ENTER button. ① When "RATING LEVEL" is selected: **0 (LOCK ALL)** Select this to disable playback of all DVDs. Use this for example to disable playback of adult DVDs on which the rating level is not recorded. **1** Select this to play only DVDs for children. (Adult and general audience DVDs cannot be played.) **2 to 7** Select this to play DVDs for general audiences and children. Adult DVDs cannot be played. **8 (NO LIMIT) (Factory default)** Select this to play all DVDs.	 Remote control unit  Remote control unit 

3

Use the number buttons to input a 4-digit password, then press the ENTER button.
✻ The default password is “0000”.
✻ Do not forget the password.
✻ The setting cannot be changed without inputting the correct password.



Remote control unit

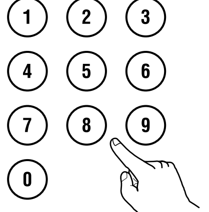


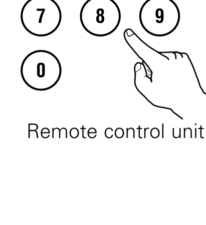
Remote control unit

② When “PASSWORD” is selected:
Use the ► cursor button to select the “CHANGE”, then press the ENTER button.



Use the number buttons to input a old (current) 4-digit password.
✻ The default password is “0000”.





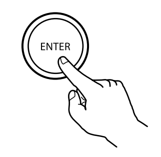
Remote control unit



Use the number buttons to input a new 4-digit password.



Use the number buttons to input a new 4-digit password again. (for the confirmation.)
Then press the ENTER button.
✻ Do not forget the password.
✻ The setting cannot be changed without inputting the correct password.

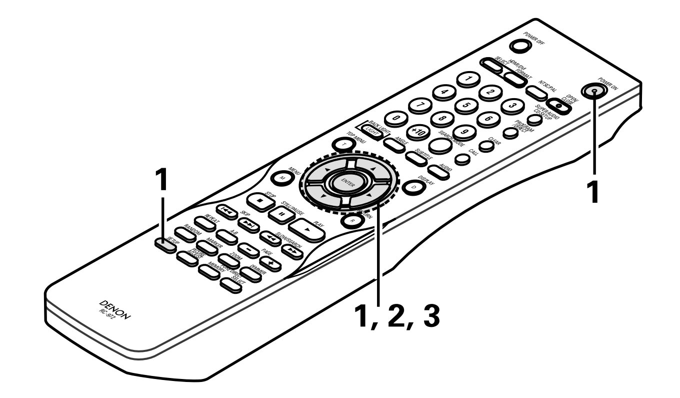


Remote control unit



✻ To exit the setup mode
Use the ▼ cursor button to select “EXIT SETUP”, then press the ENTER button. It is also possible to quit by pressing the SETUP button on the remote control unit.

When “OTHER SETUP” is selected



1

See page 26.

2

Use the ▲ and ▼ cursor buttons to select the desired setting, then press the ENTER button.

PLAYER MODE
The DVD video play mode can be set to play the DVD video contents included on a DVD audio disc.

CAPTIONS
Use this to set whether or not to display the closed captions recorded on DVDs.

WALL PAPER
Use this to select the image to be shown on the screen in the stop mode and CD play mode.

DISPLAY
The setting of whether or not there will be an indication on the display of this unit only for the 2 seconds immediately following the operation, even while the display has been off.

AUTO POWER MODE
To save power, DCD-3910’s can automatically be set to the standby mode when it is not used for long periods of time.

SLIDE SHOW
The time interval for switching to the next still picture when playing slide shows of still pictures (in JPEG format) can be set.

ENTER

Remote control unit   Remote control unit

OTHER SETUP
PLAYER MODE AUDIO
CAPTIONS OFF
WALL PAPER BLUE
DISPLAY OFF
AUTO POWER MODE OFF
SLIDE SHOW 5SEC
EXIT SETUP
SELECT:▲▼◄► DECISION:ENTER BUTTON

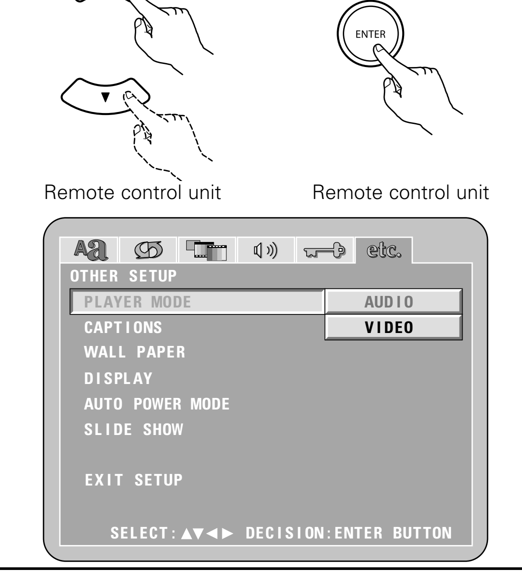
3

Use the ▲ and ▼ cursor buttons to select the desired setting, then press the ENTER button.

① When “PLAYER MODE” is selected:
AUDIO (Factory default)
Set this to play the DVD audio signals as such.
VIDEO
Set this to play the DVD video contents included on a DVD audio disc.

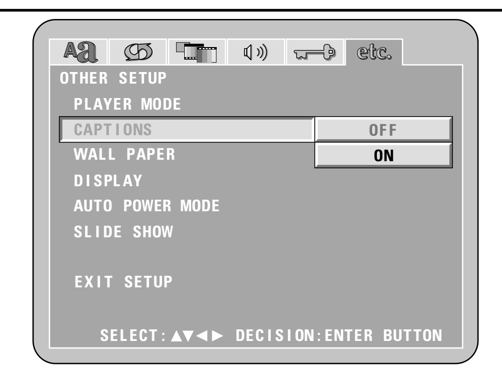
ENTER

Remote control unit   Remote control unit

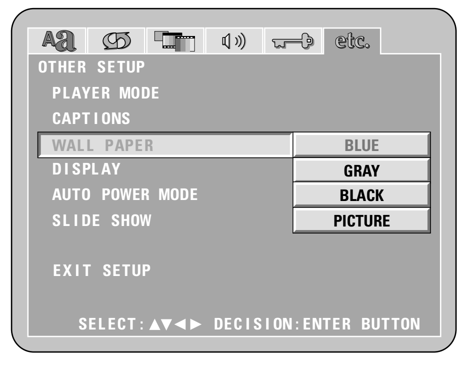


3

② When "CAPTIONS" is selected:
OFF (Factory default)
Select this when you do not want to display the captions on the screen when playing DVDs containing English captions
ON
Select this to display the captions on the screen when playing DVDs containing English captions.



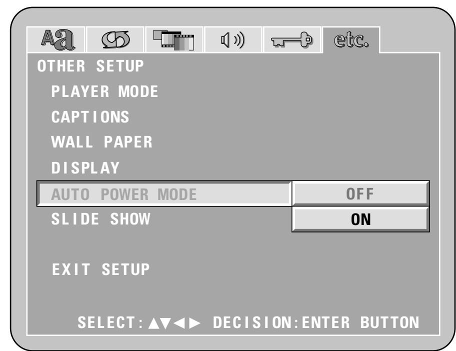
③ When "WALL PAPER" is selected:
BLUE (Factory default)
Select this to display a blue background on the TV display.
GRAY
Select this to display a gray background on the TV display.
BLACK
Select this to display a black background on the TV display.
PICTURE
Select this to display the wallpaper on the TV display.



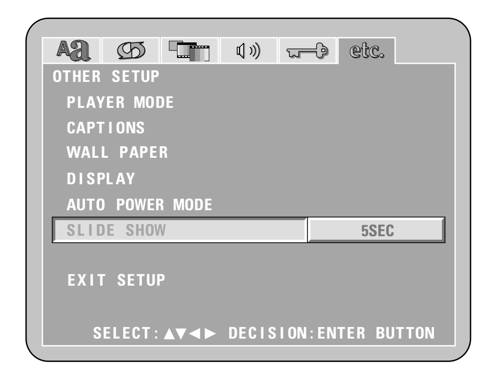
④ When "DISPLAY" is selected:
OFF (Factory default)
This is valid when the display has been switched off. The display will not show an indication even when the button (ex. skip, stop, etc.) has been pressed.
ON
This is valid when the display has been switched off. When the button (ex. skip, stop, etc.) is pressed, the indication will appear on the display for approximately 2 seconds.



⑤ When "AUTO POWER MODE" is selected:
OFF (Factory default)
The power does not automatically switch to the standby mode.
ON
The DVD-3910's power turns off and the standby mode is set if the DVD-3910 remains in the stop mode for approximately 30 minutes.



⑥ When "SLIDE SHOW" is selected:
Use the ▲ and ▼ cursor buttons to set the time interval.
The time interval can be set within 5 and 15 seconds. **(The factory default setting is 5 seconds.)**

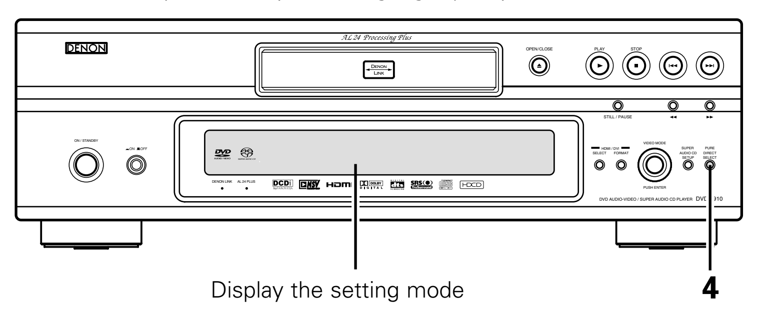


✻ To exit the setup mode
Use the ▼ cursor button to select "EXIT SETUP", then press the ENTER button.
It is also possible to quit by pressing the SETUP button on the remote control unit.

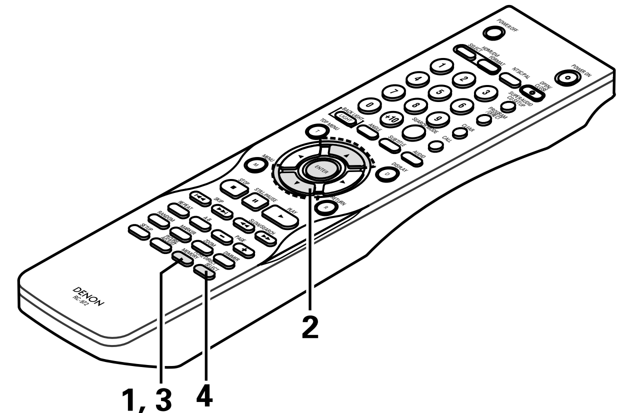
NOTES:
- An English caption decoder is required to display English captions.
- DVDs with caption signals are indicated by the , , mark.
  English captions cannot be displayed when playing DVDs which do not contain caption signals.
- The characters in which the captions are displayed (capital letters, small letters, italics, etc.) depend on the DVD and cannot be selected with the DVD-3910.

9 USING THE PURE DIRECT MODE

■ In the pure direct mode, only analog audio signals (no video signals, etc.) are output, thereby achieving high quality sound.

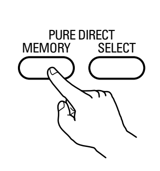


Display the setting mode

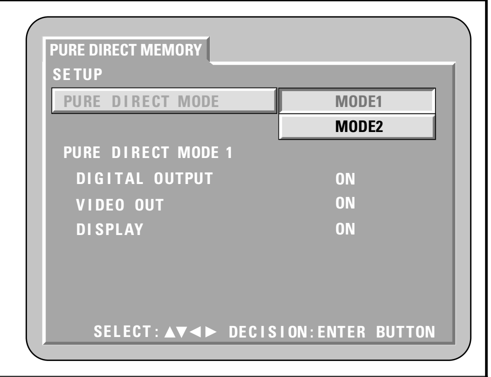


1

Press the PURE DIRECT MEMORY button on the remote control unit.
- The output status of the video signals, etc., can be stored at MODE 1 and MODE 2 as desired.



Remote control unit



2

Use the ▲ and ▼ cursor buttons to select the mode, then press the ENTER button.

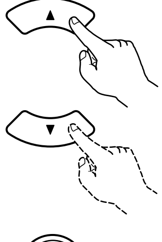
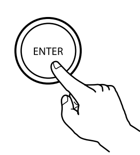
DIGITAL OUTPUT
ON: Digital audio signals are output.
OFF: Digital audio signals are not output.

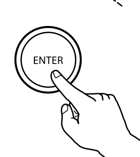
VIDEO OUT
ON: Video signals are output.
OFF: Video signals are not output.

DISPLAY
ON: It is indicate in Display of the main unit.
OFF: It is not indicate in Display of the main unit.

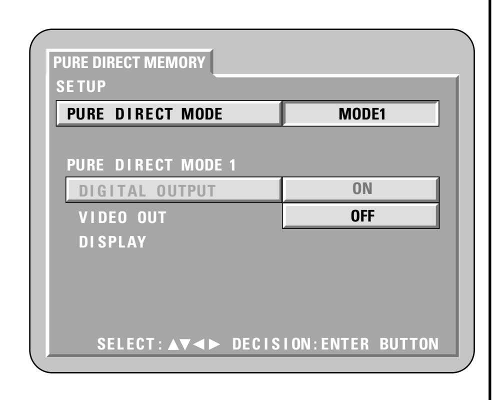
✻ When the video output is set to "OFF" or "ALL OFF", neither HDMI video nor audio signals are output.
Also, when the "HDMI AUDIO SETUP" is set to "MULTI(NORMAL)", the digital output setting cannot be made.

✻ When DENON LINK and IEEE 1394 settings are valid, the setting of DIGITAL OUTPUT cannot be selected.



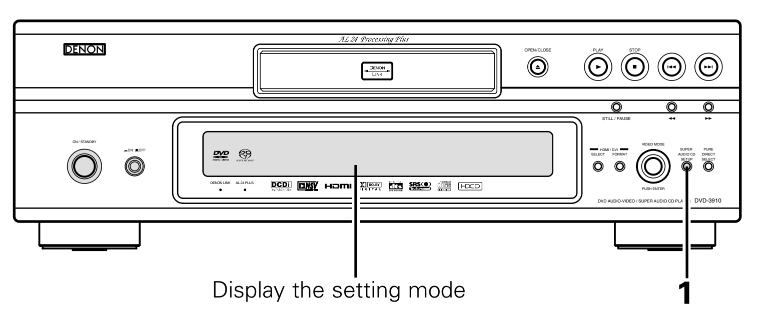
Remote control unit

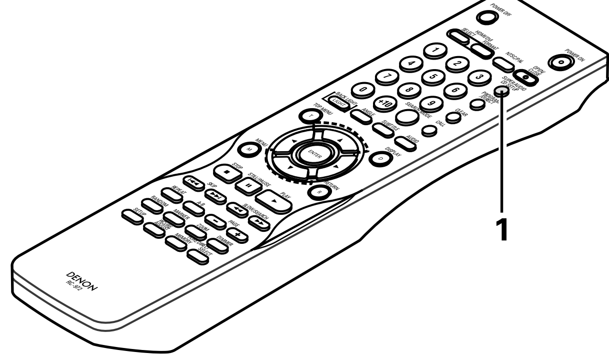


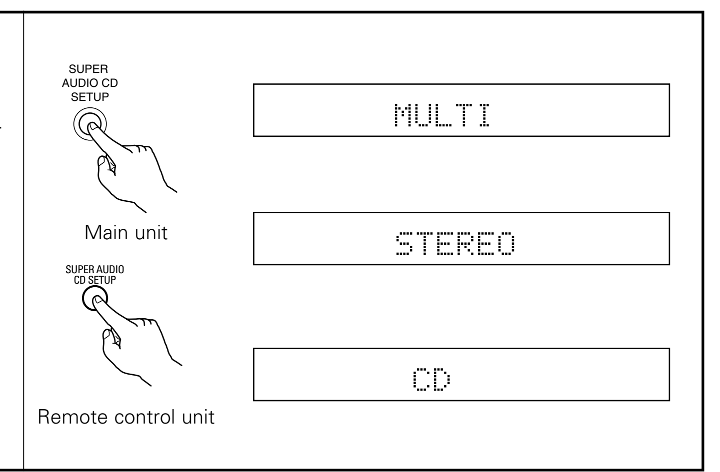
3	Press the PURE DIRECT MEMORY button on the remote control unit. • All of the settings are stored in the memory.	PURE DIRECT MEMORY SELECT Remote control unit
4	Press the PURE DIRECT SELECT button on the main unit. The modes described below will appear on the display. NORMAL : All signals are output normally. MODE 1 : The settings stored for MODE 1 are used. The factory default settings are: “DIGITAL OUT”: “ON” “VIDEO OUT”: “ON” “DISPLAY”: “ON” MODE 2 : The settings stored for MODE 2 are used. The factory default settings are: “DIGITAL OUT”: “ON” “VIDEO OUT”: “ON” “DISPLAY”: “ON” ALL OFF : No indicate in Display of the main unit, video and digital signals are not out.(except analog audio output)	PURE DIRECT SELECT Main unit PURE DIRECT MEMORY SELECT Remote control unit

10 USING THE SUPER AUDIO CD SETUP

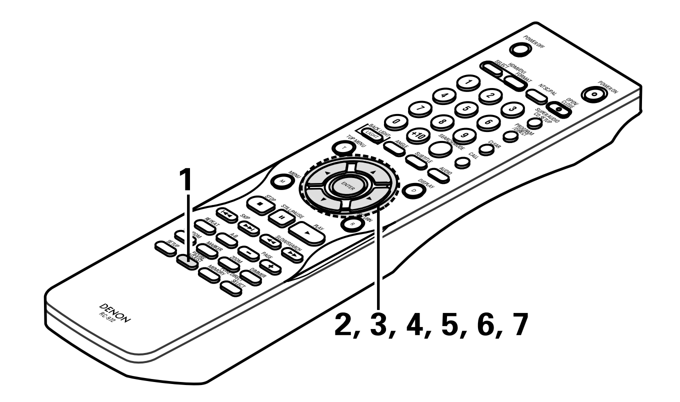
■ On a Super Audio CD, the stereo and multi – channel areas are separate.
Hybrid discs comprise 2-layer structure of Super Audio CD layer and a CD layer.
The area/layer can be set to be played with priority.





1	Press the SUPER AUDIO CD SETUP button. • The modes described below will appear on the display. **MULTI (Factory default)** When playing a Super Audio CD disc, the multi – channel area will be played back with priority. **STEREO** When playing a Super Audio CD disc, the stereo area will be played back with priority. **CD** When playing a Super Audio CD disc, the CD layer will be played back with priority. ✻When playing back a disc that does not have a selected area/layer, another area/layer will be played back automatically.	

11 ADJUSTING THE PICTURE QUALITY



1

Press the PICTURE ADJUST button during playback or during pause.

• The image quality adjustment screen will appear.

STD

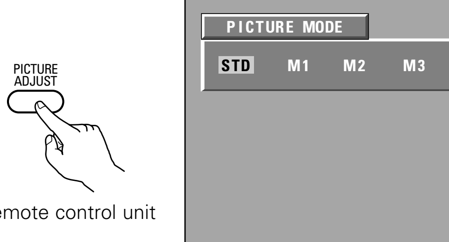
Returns the settings to the factory default settings.

M1 TO M5

Image quality settings that have been adjusted to your preference can be stored to 5 memories, M1 to M5.

SET

SET permits set to setup level and setting of the screen display position (horizontal and vertical).



Remote control unit

2

Select the memory using the 2 cursor buttons (◄, ►) and press the ENTER button.

IMAGE QUALITY ADJUSTMENT 1

This permits adjustment of the contrast, brightness, sharpness, tint, and CCS (cross color suppression). → Advance to Operation 3

IMAGE QUALITY ADJUSTMENT 2

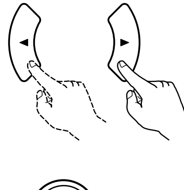
This permits adjustment of the setup level, white level, color density, chroma delay, and NOISE REDUCTION. → Advance to Operation 4.

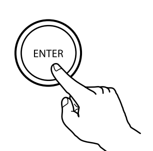
ENHANCER (ADJUSTMENT 3)

This permits adjustment of the enhancer. → Advance to Operation 5.

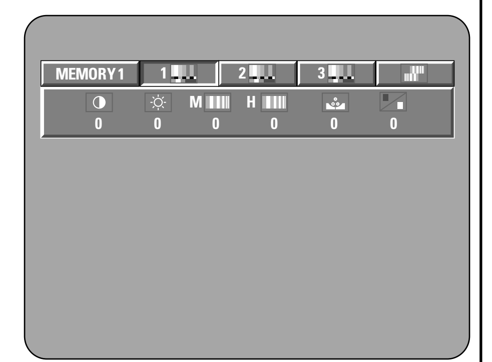
GAMMA CORRECTION

This is selected when dark portions of the image are obscure, or bright portions are much brighter than necessary. → Advance to Operation 6.









Remote control unit

3

When Image Quality Adjustment 1 Is Selected and Adjusted:

• Press cursor button (▼), then select the image quality adjustment item with cursor buttons (◄, ►), set the adjustment value with cursor buttons (▲, ▼), and press the ENTER button.

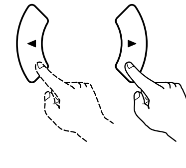
• All of the adjusted contents will be stored.

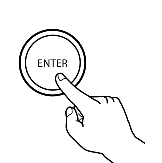
CONTRAST (–6 to +6) (Factory default: 0)

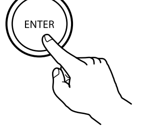
• This adjusts the light/dark difference of the image.

BRIGHTNESS (0 to +12) (Factory default: 0)

• This adjusts the brightness of the image.









Remote control unit

3

SHARPNESS (MID) (–6 to +6) (Factory default: 0)

- This adjusts the sharpness of the image for the intermediate frequencies.

SHARPNESS (HIGH) (–6 to +6) (Factory default: 0)

- This adjusts the sharpness of the image for the high frequencies. (Only effective for progressive images.)

HUE (–6 to +6) (Factory default: 0)

- This adjusts the balance between green and red. (Not effective for progressive scan output nor component output.)

CCS (0 to +3) (Factory default: 0)

- This performs removal of the color signal component for images in which the color signal component is mixed with the brightness signal. (Only effective with progressive images.)

4

When Image Quality Adjustment 2 Is Selected and Adjusted:

WHITE LEVEL (–5 to +5) (Factory default: 0)

- This adjusts the white level.

CHROMA LEVEL (–6 to +6) (Factory default: 0)

- This adjusts the density of the color.

CHROMA DELAY (–2 to +2) (Factory default: 0)

- This adjusts the shift of the brightness signal and the color signal of the image. (Only effective for progressive images.)

DNR (Digital Noise Reduction) (0 to +6) (Factory default: 0)

- This reduces video noise.

ENTER

MEMORY1 1 2 3
0 0 0 0

Remote control unit

5

When ENHANCER (ADJUSTMENT 3) is selected and adjusted:

ENHANCER V (0 to +11) (Factory default: 0)

- This emphasizes the vertical contour of the image.

ENHANCER H (0 to +11) (Factory default: 0)

- This emphasizes the horizontal contour of the image.

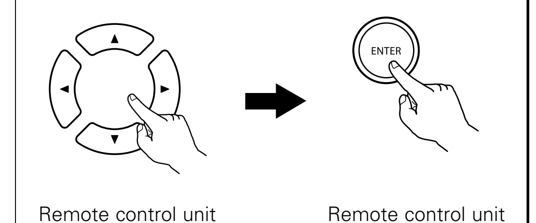
ENTER

MEMORY1 1 2 3
0 0

Remote control unit

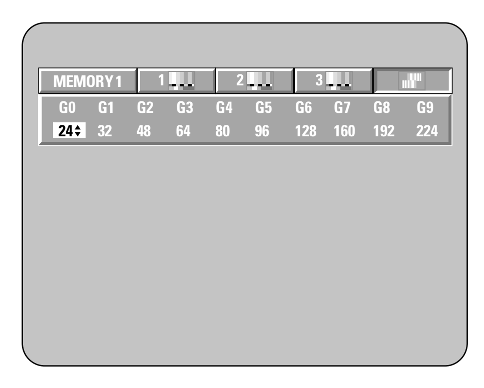
6

When Gamma Correction is selected and Adjusted:
Two kinds of displays are prepared for adjustment of Gamma Correction.
- When use the Numerical table of Gamma Correction. (Figure1)
  : Press the cursor button (▼).
- When use the Graph of Gamma Correction. (Figure2)
  : Press the ENTER button.

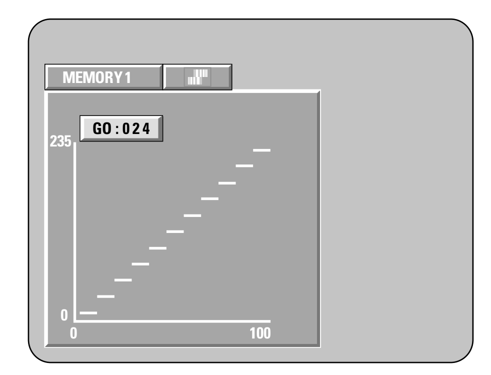


Select the adjust point with cusor buttons (◄, ►) , set the adjustment brightness level with cursor buttons (▲ , ▼), and press the ENTER button.
(If the PICTURE ADJUST button is pressed before pressing the enter button, an adjustment level is not stored.)
- The brightness level can be adjusted in a range of 16 to 235.
- Pressing the cursor button (▲) raises the level (and the image becomes brighter), and pressing the cursor button (▼) lowers the level (and the image becomes darker).
- A press of the CLEAR button returns all of the setting points to the standard level.

✻ The level of the selected point cannot exceed the level of the points above and below that point.
(A dark portion cannot be set t exceed a portion that is blighter than it.)



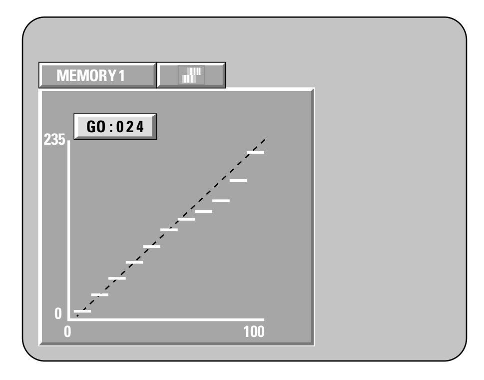
(Figure1)



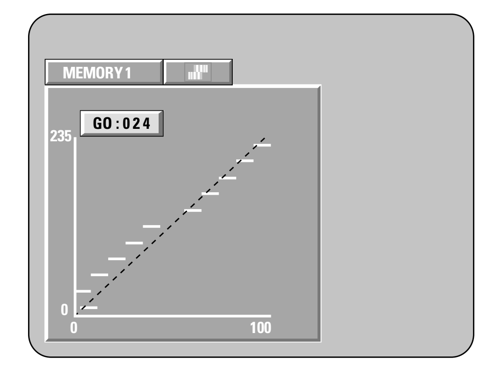
(Figure2)

✻ **Ending the Image Quality Adjustment**
Press the PICTURE ADJUST button.

PREFERENCE:
In the Graph of gamma correction, the horizontal axis indicates the brightness level of the image that is recorded on the disc, and the vertical axis indicates the brightness level of the image when it is output from this unit.



- When bright points of the disc side are adjusted to the “dark” of the output side, the fine parts of the bright portion that normally become hard to see, become an easily discerned image.



- When dark points of the disc side are adjusted to the “bright” of the output side, the fine parts of the dark portion that normally become hard to see, become an easily discerned image.

7

When the Display Position is Selected and Adjusted:
- Press the cursor button (▼), then select the horizontal/vertical direction with the cursor buttons (◀, ▶), set the adjustment value with the (▲, ▼) cursor buttons, and press the ENTER button.

SETUP LEVEL (0 IRE, 7.5 IRE) (Factory default: 0 IRE)
- This corrects floating black.

H. POSITION (–7 to +7) (Factory default: 0)
- A 15-step portion of position adjustment is permitted left and right.

V. POSITION (–3 to +7) (Factory default: 0)
- A 11-step portion of position adjustment is permitted up and down.

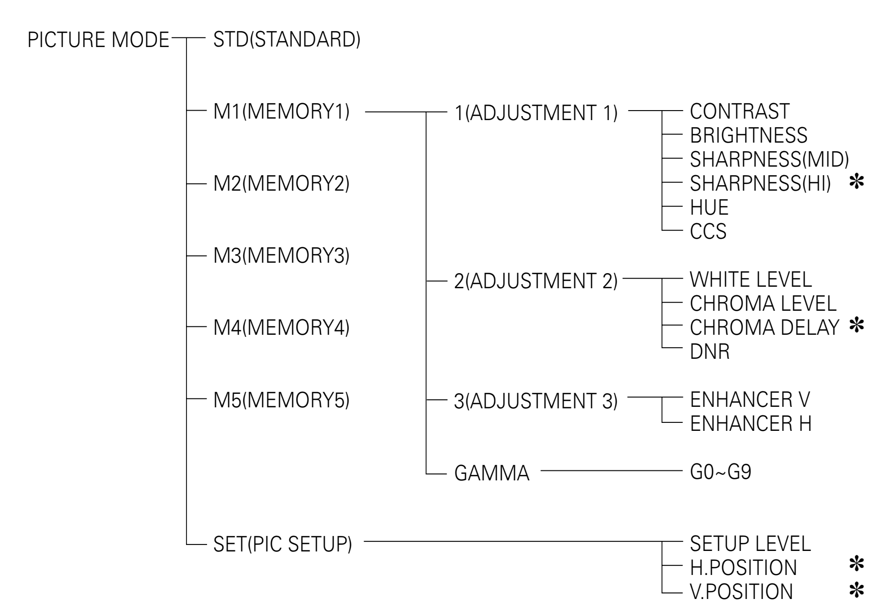
ENTER

Remote control unit

PICTURE MODE
STD M1 M2 M3 M4 M5 SET

PIC SETUP
SETUP LEVEL 0 0 0

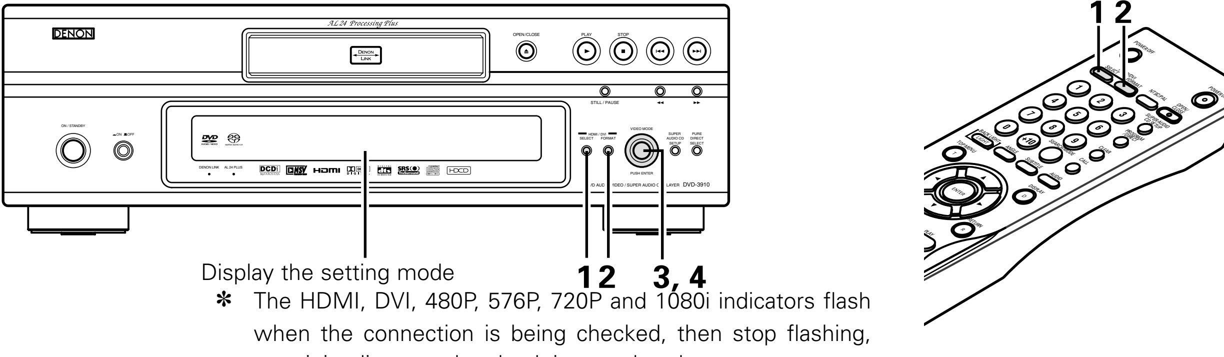
✻ To exit the picture adjust mode
Press the PICTURE ADJUST button.



✻ Only effective for progressive scan.
- When HDMI and DVI signals are output, the SHARPNESS (MID/HI), CHROMA DELAY and Gamma correction settings will have no effect.

12 USING THE VIDEO SETUP

■ The video output setting of the HDMI and the DVI-D connectors can be changed.
■ The video output setting of the PICTURE MODE, PROGRESSIVE MODE and ADJUST MODE also can be changed.



Display the setting mode

✻ The HDMI, DVI, 480P, 576P, 720P and 1080i indicators flash when the connection is being checked, then stop flashing, remaining lit, once the check is completed.

Step	Description	Illustration
1	Press the HDMI/DVI SELECT button. • The modes described below will appear on the display. **HDMI/DVI OFF (Factory default)** No output signals from the HDMI and DVI-D connectors. This mode is set to use the COMPONENT VIDEO OUT connector. **HDMI Y Cb Cr** Outputs the component signals from the HDMI connector. **HDMI RGB** Outputs the RGB signals from the HDMI connector. **DVI** Outputs the RGB signals from the DVI-D connector. ✻The video signals are only output from one of the HDMI, DVI or progressive component video output connectors.	HDMI / DVI SELECT FORMAT Main unit HDMI / DVI SELECT FORMAT Remote control unit HDMI/DVI OFF HDMI Y Cb Cr HDMI R G B DVI
2	Press the HDMI/DVI FORMAT button. • The modes described below will appear on the display. Select the item you wish to set and press the select knob to define it. **480P/576P (Factory default)** Outputs the image from the HDMI or DVI-D connector at 480P or 576P. **720P** Outputs the image from the HDMI or DVI-D connector at 720P. **1080i** Outputs the image from the HDMI or DVI-D connector at 1080i. • When playing back a PAL-formatted disc, be sure to set the TV TYPE option to NTSC. (See pages 36, 37.) • The video or audio signals may be interrupted when the output setting mode is switched. • Depending on the TV you are using, if the TV's input is not set to HDMI or DVI, the HDMI or DVI OFF mode may be set. In this case, set the TV's input setting to HDMI or DVI before performing the DVI setup procedure. • Connect to an HDCP compatible display to view images with DVI connections.	HDMI / DVI SELECT FORMAT Main unit HDMI / DVI SELECT FORMAT Remote control unit 480P/576P 720P 1080i

3	Turning the VIDEO MODE knob. • The modes described below will appear on the display. Select the item you wish to set and press the select knob to define it. **PICTURE MODE** which picture quality settings are stored (M1 to M5) as well as the standard settings set upon shipment from the factory. (See pages 49 ~ 52.) **PROGRE. MODE (PROGRESSIVE MODE)** The optimum progressive video output for the images stored on the DVD can be set. (Default setting – video setting – simple progressive mode setting) **TV TYPE** **SQUEEZE MODE** ✻The various modes that are selected in the VIDEO MODE are temporary changes. The unit will return to the stored values when the power is switched off.	VIDEO MODE PUSH Main unit PICTURE MODE PROGRE. MODE TV TYPE SQUEEZE MODE
4	When "PICTURE MODE" is selected: • The modes described below will appear on the display. Select the item you wish to set and press the select knob to define it. (See pages 49 ~ 52.) **STD (STANDARD)** Returns the settings to the factory default settings. **M1 (MEMORY1)** Picture quality adjustment items – M1 (MEMORY1) mode stored in the picture quality adjustment mode. **M2 (MEMORY2)** Picture quality adjustment items – M2 (MEMORY2) mode stored in the picture quality adjustment mode. **M3 (MEMORY3)** Picture quality adjustment items – M3 (MEMORY3) mode stored in the picture quality adjustment mode. **M4 (MEMORY4)** Picture quality adjustment items – M4 (MEMORY4) mode stored in the picture quality adjustment mode. **M5 (MEMORY5)** Picture quality adjustment items – M5 (MEMORY5) mode stored in the picture quality adjustment mode. When "PROGRE. MODE" is selected: • The modes described below will appear on the display. Select the item you wish to set and press the select knob to define it. (See pages 36, 37.) **AUTO1** Select this when the image recorded to the DVD is film material. **AUTO2** Select this when the image recorded to the DVD is 30-frame film. **VIDEO1** Select this for regular video material. **VIDEO2** Select this for video material having little movement. **VIDEO3** Select this for video material having a lot of movement.	VIDEO MODE PUSH Main unit STD(STANDARD) M1 (MEMORY1) M2 (MEMORY2) M3 (MEMORY3) M4 (MEMORY4) M5 (MEMORY5) VIDEO MODE PUSH Main unit AUTO 1 AUTO 2 VIDEO 1 VIDEO 2 VIDEO 3

4

When "TV TYPE" is selected:

- The modes described below will appear on the display. Select the item you wish to set and press the VIDEO MODE knob to define it.

  MULTI
  Select this when your TV is compatible with both the NTSC and PAL formats.

  NTSC
  Select this when your TV's video format is NTSC.

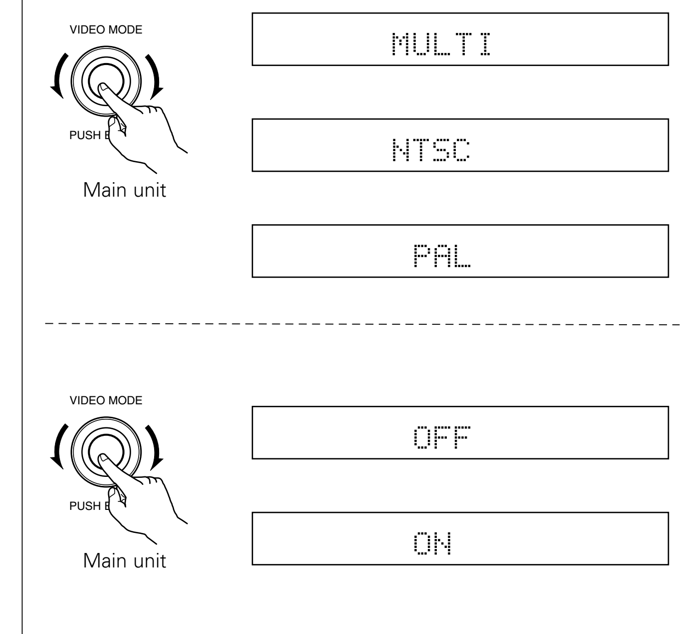
  PAL
  Select this when your TV's video format is PAL.

When "SQUEEZE MODE" is selected:

- The modes described below will appear on the display. Select the item you wish to set and press the VIDEO MODE knob to define it.

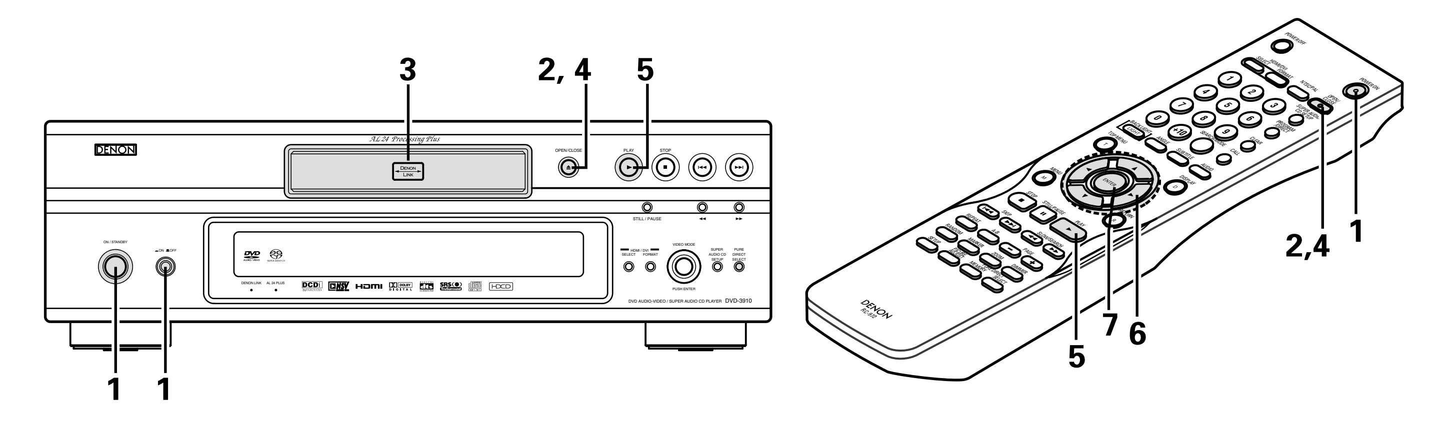
  OFF
  Select this to display images without changing the screen size.

  ON
  Select this when playing back a 4:3 image that you wish to display images with a 4:3 aspect ratio in the center of a 16:9 TV.

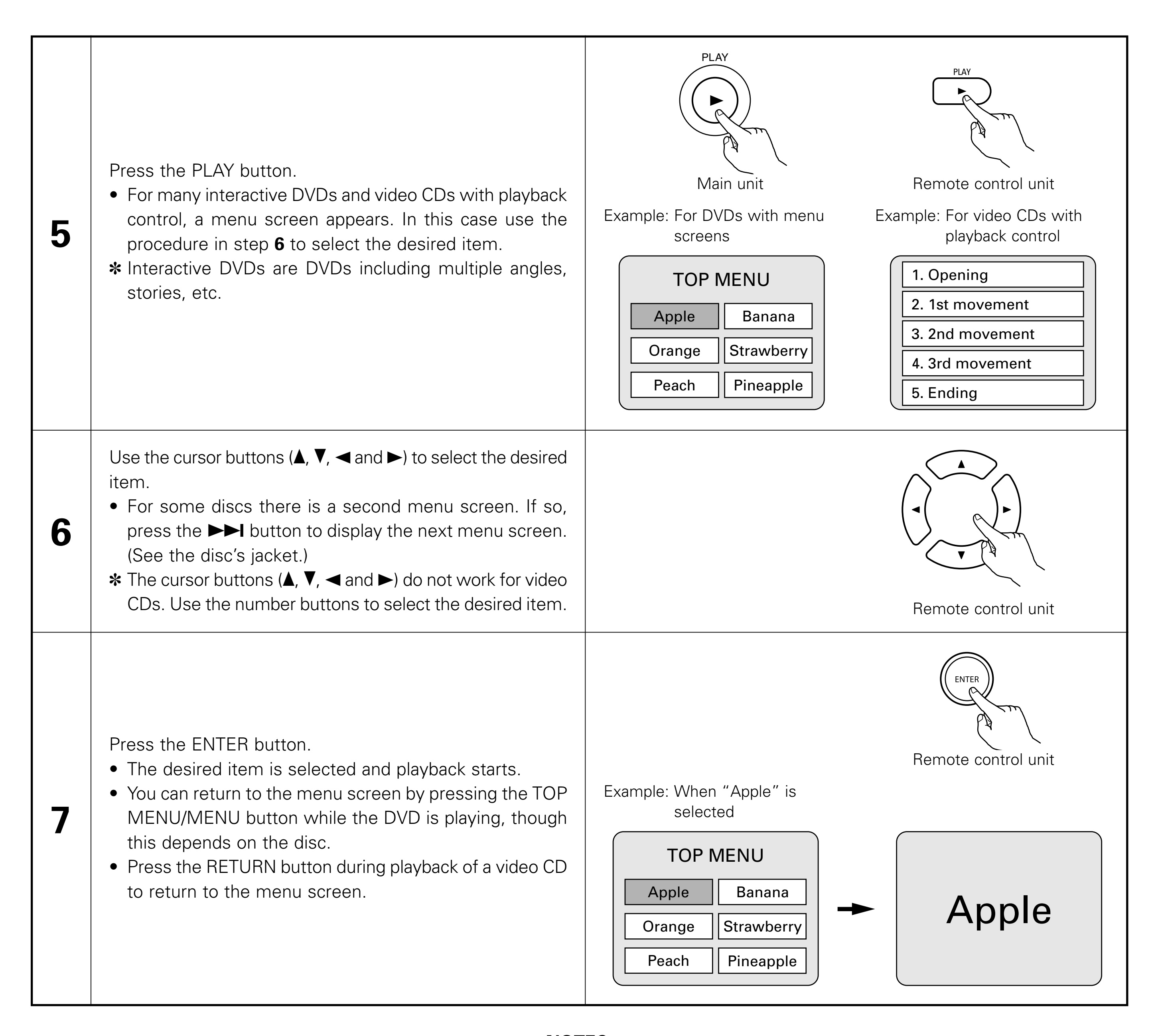


13 PLAYBACK

(1) Playback



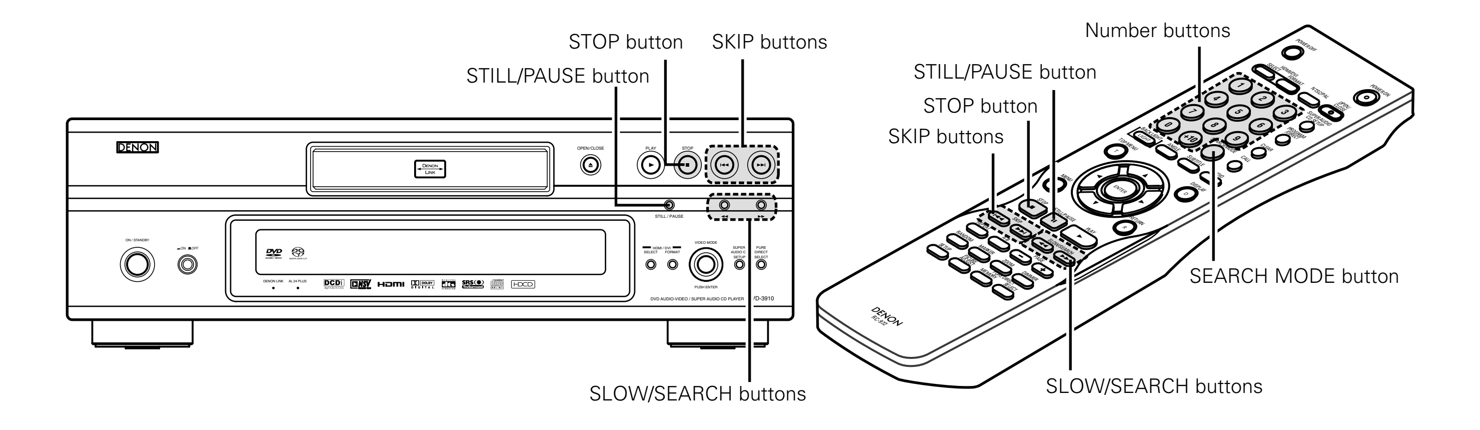
1	Turn on the power. • Press the power button, the power indicator lights green and the power turns on. When pressed again, the power turns off and indicator is off. • In the standby mode (the power indicator lights red), press the ON/STANDBY button on the main unit or POWER ON button on the RC-972.	(Green) ON / STANDBY Main unit (Red) ON / STANDBY Main unit POWER ON Remote control unit
2	Press the OPEN/CLOSE button to open the disc tray.	OPEN/CLOSE Main unit OPEN/ CLOSE Remote control unit
3	Set the disc in the disc tray.	
4	Press the OPEN/CLOSE button.	OPEN/CLOSE Main unit OPEN/ CLOSE Remote control unit



5	Press the PLAY button. • For many interactive DVDs and video CDs with playback control, a menu screen appears. In this case use the procedure in step **6** to select the desired item. ✻ Interactive DVDs are DVDs including multiple angles, stories, etc.	
6	Use the cursor buttons (▲, ▼, ◄ and ►) to select the desired item. • For some discs there is a second menu screen. If so, press the ►►I button to display the next menu screen. (See the disc's jacket.) ✻ The cursor buttons (▲, ▼, ◄ and ►) do not work for video CDs. Use the number buttons to select the desired item.	
7	Press the ENTER button. • The desired item is selected and playback starts. • You can return to the menu screen by pressing the TOP MENU/MENU button while the DVD is playing, though this depends on the disc. • Press the RETURN button during playback of a video CD to return to the menu screen.	

NOTES:

- If (prohibited-hand icon) appears on the TV screen while buttons are being operated, that operation is not possible on the DVD-3910 or with that disc.
- Set the disc in the disc guide.
- Do not place more than one disc in the disc tray.
- The disc keeps turning while the menu screen is displayed on the TV screen.

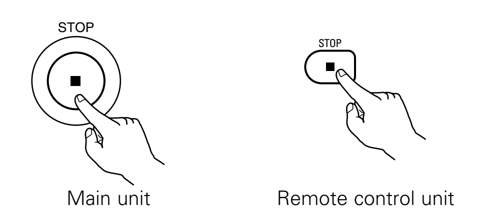


(2) Stopping Playback

During playback, press the STOP button on the main unit or the remote control unit, playback stops and wall paper is displayed.

<Resume play memory function (DVD only)>

- With the DVD-3910, when the STOP button is pressed, that position is stored in the memory. At this time, "▶" flashes on the display. When the PLAY button is pressed after pressing the STOP button, playback resumes from the position at which it was stopped. The resume play memory function is cancelled if the disc tray is opened or the STOP button is pressed a second time.
- After 30 minutes in the stop mode, the DVD-3910's power automatically turns off and the standby mode is set. (Auto Power Off)



Main unit Remote control unit

✻ The resume play memory function only works for discs for which the elapsed time is shown on the display during playback.

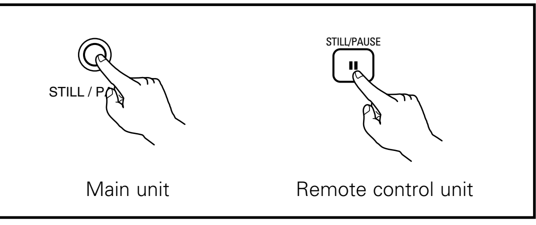
NOTE:

- The resume play memory function does not work during menu playback of DVD-VIDEO discs.

(3) Playing Still Pictures (Pausing)

During playback, press the STILL/PAUSE button on the main unit or the remote control unit.

- Press the PLAY button to resume normal playback.



Main unit Remote control unit

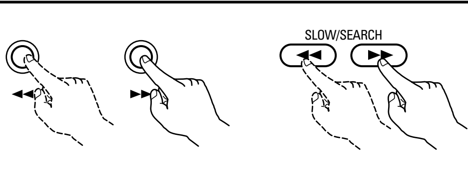
(4) Forward/Reverse Searching

During playback, press one of the SLOW/SEARCH buttons on the main unit or the remote control unit.

◀◀ : Reverse direction

▶▶ : Forward direction

- When pressed again, the search speed increases.
- Variable in 4 steps for Super audio CDs and CDs, 7 steps for DVD audio (movie part), DVD video and video CD discs.
- Press the PLAY button to resume normal playback.



Main unit Remote control unit

NOTE:

- In some cases the menu screen may reappear when one of the SLOW/SEARCH buttons is pressed during menu playback on a video CD.

(5) Skipping to the Beginning of Chapters or Tracks

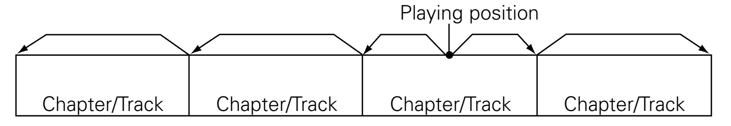
Cueing using the SKIP buttons

During playback, press one of the SKIP buttons on the main unit or the remote control unit.

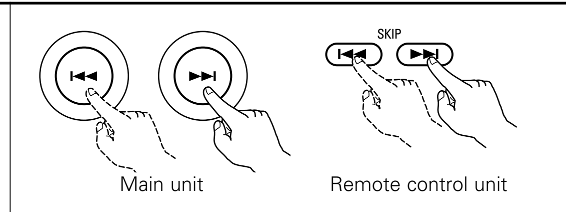
⏮ : Reverse direction (PREVIOUS)

⏭ : Forward direction (NEXT)

- A number of chapters or tracks equal to the number of times the button is pressed is skipped.
- When the SKIP ⏮ button is pressed once, the pickup returns to the beginning of the currently playing chapter or track.



Reverse direction ← → Forward direction (direction of playback)



Main unit   Remote control unit

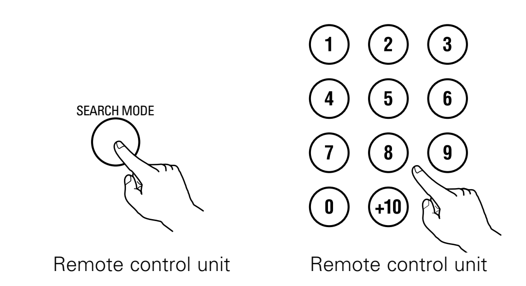
NOTE:

- In some cases the menu screen may reappear when one of the SKIP buttons is pressed during menu playback on a video CD.

Cueing using the number buttons

Press the SEARCH MODE button during playback.

- The search mode switches each time the button is pressed.
  For DVD audio discs : Group → Track → (Group) →
  For DVD video discs : Title → Chapter → (Title) →
  For Super audio CDs, CDs and video CDs : Track only
  ✻ The search mode set by pressing the SEARCH MODE button is stored in the memory until the button is pressed again.
  However, the search mode returns to the default mode when the power is turned off.
- Use the number buttons to input the number to be played.



Remote control unit   Remote control unit

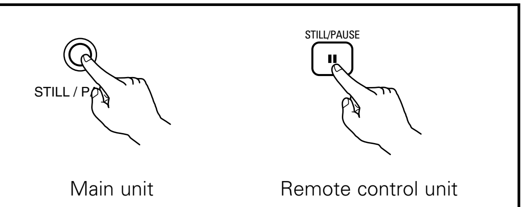
NOTE:

- Some DVD audio, DVD video and video CD discs do not operate as described in this manual due to the intentions of the discs' producers.

(6) Playing Frame by Frame (for DVD-videos and video CDs only)

During playback, press the STILL/PAUSE button on the main unit or the remote control unit.

- The picture moves forward one frame each time the button is pressed.
- Press the PLAY button to resume normal playback.
- With DVD audio discs, forward frame-by-frame skipping is only possible for the video part.



Main unit   Remote control unit

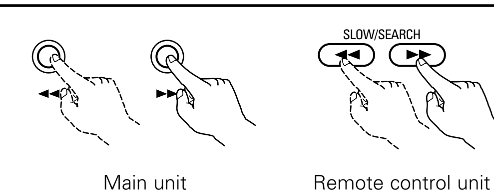
(7) Slow Playback (for DVD-videos and video CDs only)

In the still mode, press one of the SLOW/SEARCH buttons on the main unit or the remote control unit.

◀◀ : Reverse direction

▶▶ : Forward direction

- When pressed again, the slow play speed increases.
- Press the PLAY button to resume normal playback.
- With DVD audio discs, the forward slow play function can only be used with the video part.

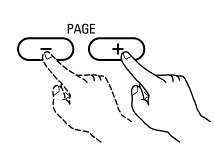


Main unit   Remote control unit

NOTE:

- Reverse slow play is not possible on video CDs.

(8) Selecting the still image (only for DVD-audios)

During playback, press the PAGE + or PAGE – button on the remote control unit. • For DVD audio discs with still images, the desired image can be selected. • On some discs the image cannot be selected due to the intentions of the discs' producers.	 Remote control unit

(9) Playing bonus groups (only for DVD-audios)

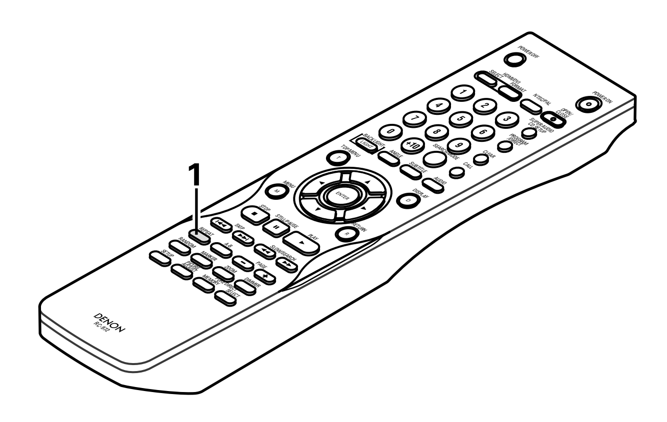
1	In the stop mode, press the SEARCH MODE button on the remote control unit to set the search mode to "GROUP".	SEARCH MODE Remote control unit
2	Use the number buttons to input the bonus group number.	1 2 3 4 5 6 7 8 9 0 +10 Remote control unit
3	Use the number buttons on the remote control unit to input the password (4 digits), then press the ENTER button. • Playback starts from the first track in the specified group.	ENTER Remote control unit

- In some cases the password must be input at the menu screen. In these cases, follow the instructions on the screen.
- Once the password is input, the disc can be played as many times as you want until it is removed.
- If you make a mistake when inputting the password, press the CLEAR button on the remote control unit.

14 PLAYING REPEATEDLY

■ Use this function to play your favourite audio or video sections repeatedly.

Playing Repeatedly (Repeat Playback)



1

In the play mode, press the REPEAT button.
- The display on the TV screen switches each time the button is pressed, and the corresponding repeat play mode or normal playback mode is set.

REPEAT

Remote control unit

① For DVD audio discs

- Normal playback
- Track repeated

TRACK REPEAT

- Group repeated

GROUP REPEAT

- Repeat playback cancelled

REPEAT OFF

② For DVD video discs

- Normal playback
- Chapter repeated

CHAPTER REPEAT

- Title repeated

TITLE REPEAT

- Repeat playback cancelled

REPEAT OFF

③ For video CDs, Super audio CDs and music CDs

- Normal playback
- Track repeated

TRACK REPEAT

- Entire disc repeated

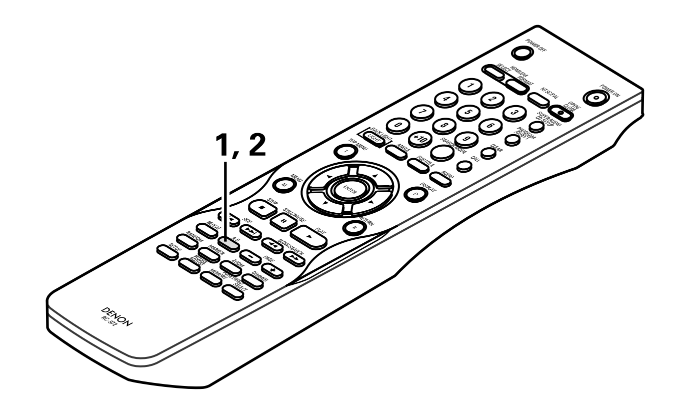
DISC REPEAT

- Repeat playback cancelled

REPEAT OFF

✻ To return to normal playback:
Return to normal playback by pressing the REPEAT button until “REPEAT OFF” appears on the TV screen.

Playing a Certain Section Repeatedly (A-B Repeat Playback)



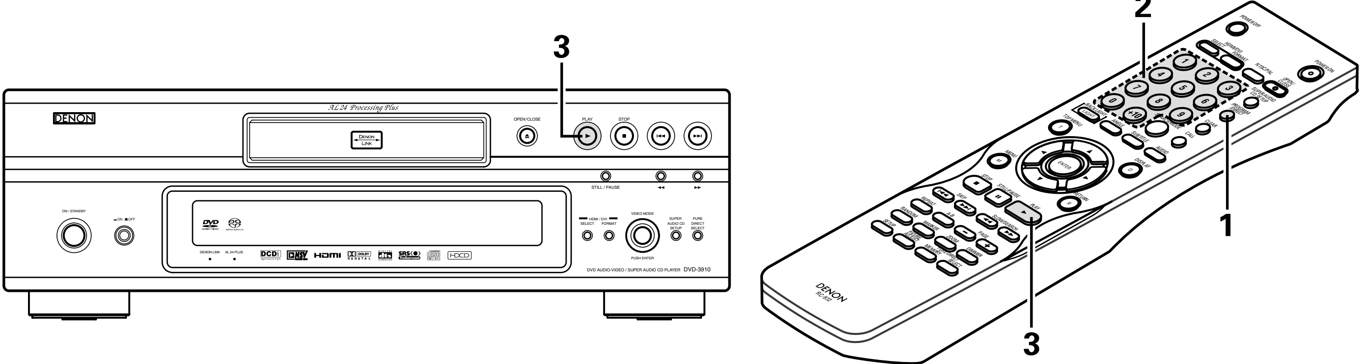
1	During playback, press the A-B button. • This sets start point A.	A-B Remote control unit	A TO B SET A
2	Press the A-B button again. • This sets end point B, and repeat playback of the A-B section starts.	A-B Remote control unit	A TO B SET B

✽ To return to normal playback:
Press the A-B button until "A TO B CANCELED" appears on the TV screen.

NOTES:
- Repeat playback may not work for some DVDs.
- The repeat playback and A-B repeat playback functions will not work for DVDs and video CDs for which the elapsed time is not shown on the display during playback.
- In some cases, subtitles may not be displayed near the A and B points during A-B repeat playback.

15 PLAYING TRACKS IN THE DESIRED ORDER

■ Use this function with DVD-AUDIO discs, video CDs, Super audio CDs and music CDs to play the tracks in the desired order.
■ This function does not affect with DVD-VIDEO discs.



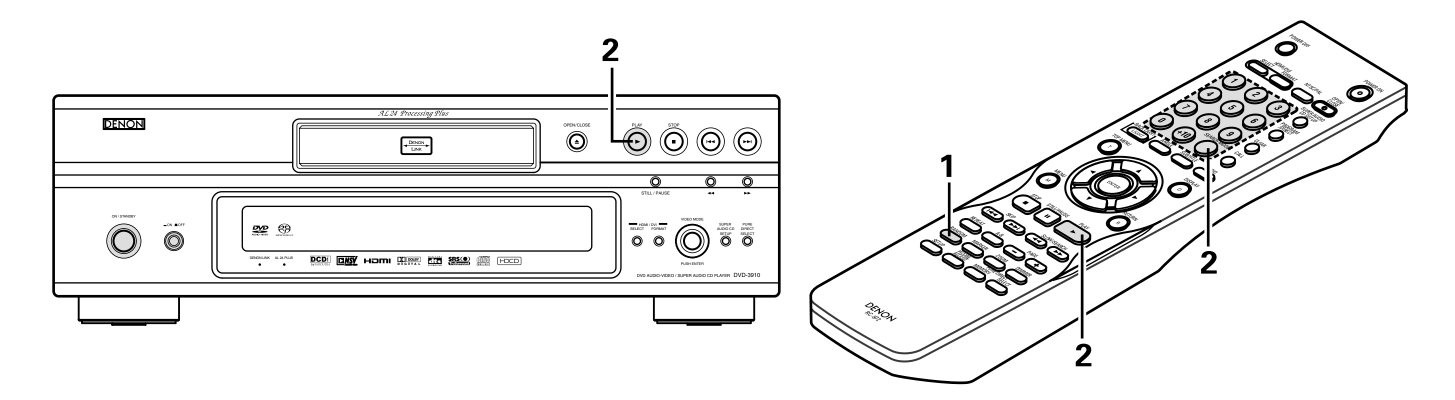
Step	Operation	Illustration
1	In the stop mode, press the PROGRAM/DIRECT button once. • The program selection screen appears.	PROGRAM /DIRECT Remote control unit PROGRAM NO. TRACK 1 _ _ MODE : NORMAL TOTAL TIME : - - : - - INPUT : 0 - 9, +10 CLEAR : CLEAR BUTTON
2	Use the number buttons to select the track number you want to program. **EX:** To program track 5 and track 12 • Press the "5". • Press the "+10" and "2". • With DVD-audio, group numbers can be specified and programmed. Bonus tracks, however, cannot be programmed.	1 2 3 4 5 6 7 8 9 0 +10 Remote control unit PROGRAM NO. TRACK 1 05 2 12 3 _ _ MODE : NORMAL TOTAL TIME : 10 : 35 INPUT : 0 - 9, +10 CLEAR : CLEAR BUTTON
3	Press the PLAY button. • Playback of the tracks in the programmed order begins.	PLAY Main unit PLAY Remote control unit

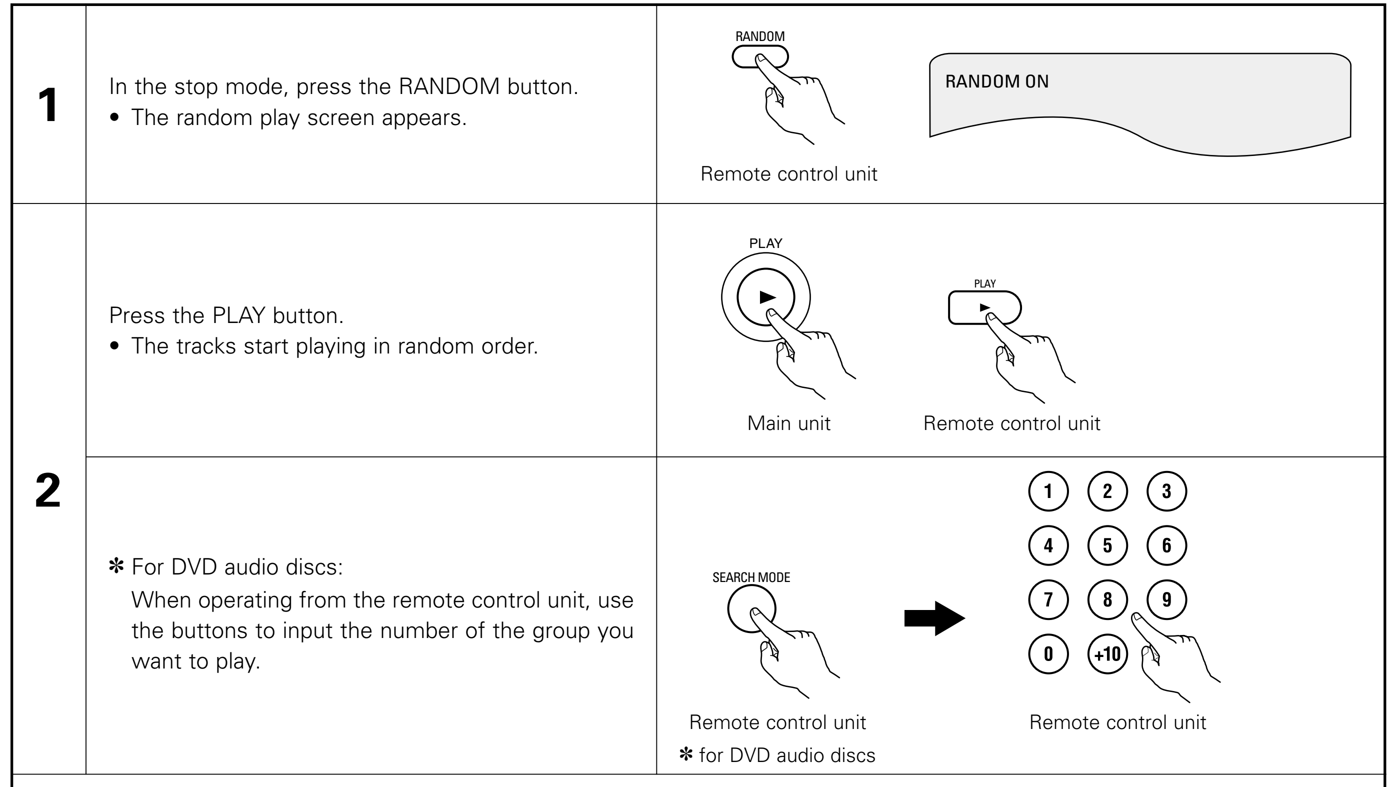
✻ To return to normal playback:
Press the STOP button to stop programmed playback, then press the PROGRAM/DIRECT button.
Now press the PLAY button to start normal playback from the beginning of the disc.
✻ To clear tracks from the program:
Press the STOP button. The program play screen appears. Press the CLEAR button to clear the last track in the program.
✻ To clear the entire program:
The entire program is cleared when the power is turned off or the disc is ejected.
✻ To check the programmed contents, press the CALL button in the stop mode. The programmed contents are displayed step by step.
✻ Up to 20 tracks can be programmed.

16 PLAYING TRACKS IN THE RANDOM ORDER

■ Use this function with video CDs, Super audio CDs and music CDs to play the tracks in random order.
With DVD-AUDIO discs, random playback is performed within the selected group.

■ This function does not affect with DVD-VIDEO discs.





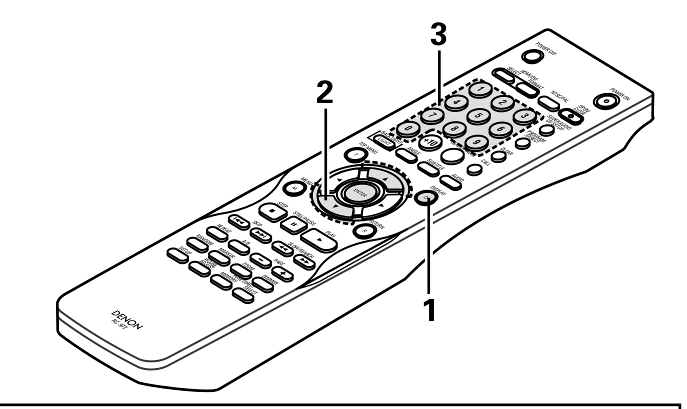
Step	Operation	Illustration
1	In the stop mode, press the RANDOM button. • The random play screen appears.	Remote control unit
2	Press the PLAY button. • The tracks start playing in random order.	Main unit / Remote control unit
	✻ For DVD audio discs: When operating from the remote control unit, use the buttons to input the number of the group you want to play.	Remote control unit ✻ for DVD audio discs / Remote control unit

• Random playback is not possible for some discs.

✻ To return to normal playback:
Press the STOP button to stop random playback, then press the RANDOM button once.

17 USING THE ON-SCREEN DISPLAY

■ Use this function to display and change information on the disc (titles, chapters, time, etc.)



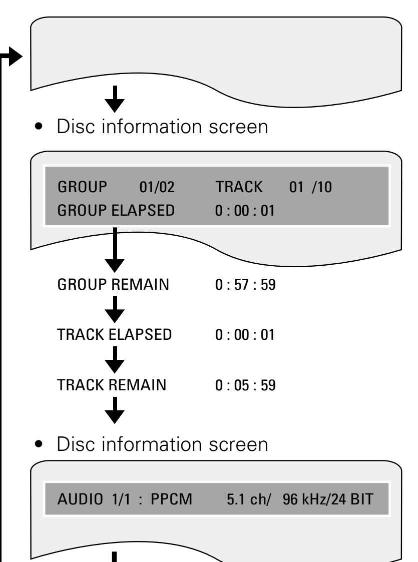
1

In the play mode, press the DISPLAY button.
- The On-Screen Display appears.
- The picture on the TV screen switches each time the button is pressed.
- The items displayed differ from disc to disc.

DISPLAY

Remote control unit

Example: For DVD audio discs



Example: For DVD video discs

- Normal playback screen
- Disc information screen

TITLE 01/10 CHAPTER 01 /10
TITLE ELAPSED 00 : 00 : 01

TITLE REMAIN 01 : 10 : 59
CHAPTER ELAPSED 00 : 00 : 01
CHAPTER REMAIN 00 : 40 : 59

- Disc information screen

AUDIO 01/2 : DOLBY D3/2.1 ENGLISH
SUBTITLE OFF

Example: For video CDs, Super audio CDs and music CDs

- Normal playback screen
- Disc information screen

TRACK 05/ 10
✻SINGLE ELAPSED 02 : 11

SINGLE REMAIN 03 : 17
TOTAL ELAPSED 26 : 15
TOTAL REMAIN 32 : 05

✻ Some Super audio CDs contain text data. In this case, the album title and artist are displayed in the stop mode, and the title of the currently playing track is displayed in the play mode.

2

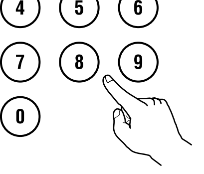
Use the ▲ and ▼ cursor buttons to select the item you wish to change.
- The selected item is displayed with a yellow frame.

① For DVD audio discs
The elapsed time of groups and tracks can be selected.
② For DVD video discs
The elapsed time of titles, titles and chapters can be selected.
③ For video CDs, Super audio CDs and music CDs
The elapsed time of tracks, tracks can be selected.

Remote control unit

3

① Changing the elapsed time
Input using the number buttons, then press the ENTER button.
Example: For 1 minute 26 seconds → "00126" : DVD/SUPER AUDIO CD
→ "0126" : VIDEO CD/CD
② Changing the title, track or chapte
- For DVDs
Input using the number buttons, then press the ENTER button.
(For some discs it is not possible to change the title or chapter.)
- For video CDs, Super audio CDs and music CDs
Input using the number buttons. Playback starts from that track.



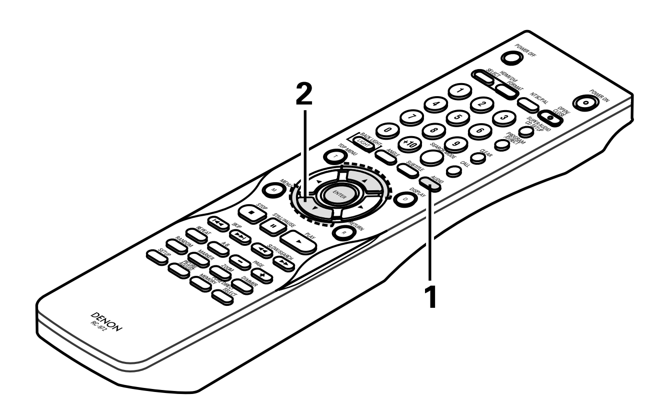
ENTER

Remote control unit Remote control unit

18 USING THE MULTIPLE AUDIO, SUBTITLE AND ANGLE FUNCTIONS

Switching the Audio Language (Multiple Audio Function)

■ With DVDs containing multiple audio language signals, the audio language can be switched during playback.

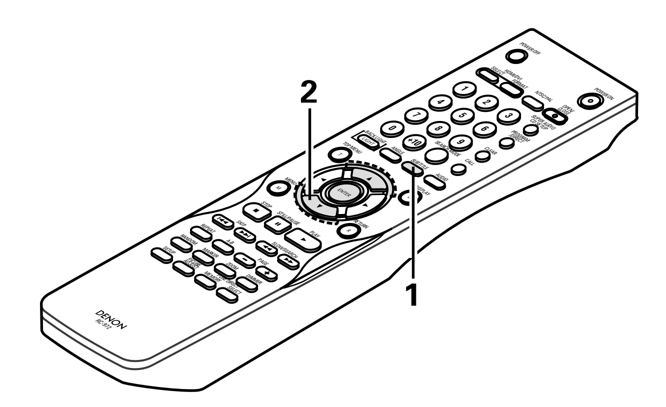


1	During playback, press the AUDIO button. • The current audio language number is displayed.	AUDIO Remote control unit AUDIO 1/3 :DOLBY D 3/2.1 ENGLISH
2	Use the ▲ and ▼ cursor buttons to select the desired language. • The display turns off when the AUDIO button is pressed.	Remote control unit AUDIO 2/3 :DOLBY D 3/2.1 FRENCH

NOTES:
- With some discs it is not possible to change the audio language during playback. In such cases, select from the DVD menu. (See page 70.)
- If the desired language is not set after pressing the ▲ and ▼ cursor buttons several times, the disc does not include that language.
- The language selected in the default settings (See page 29.) is set when the power is turned on and when the disc is replaced.

Switching the Subtitle Language (Multiple Subtitle Function)

■ With DVDs containing multiple subtitle language signals, the subtitle language can be switched during playback.



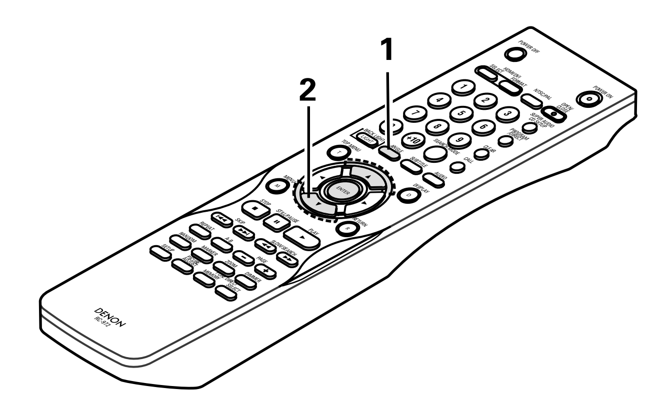
1	During playback, press the SUBTITLE button. • The current subtitle language number is displayed.	SUBTITLE Remote control unit	SUBTITLE 01/03 : ENGLISH
2	Use the ▲ and ▼ cursor buttons to select the desired language. • The display turns off when the SUBTITLE button is pressed.	▲ ▼ Remote control unit	SUBTITLE 02/03 : FRENCH

NOTES:

- If the desired language is not set after pressing the ▲ and ▼ cursor buttons several times, the disc does not include that language.
- The subtitle language set with the default settings (See pages 29, 30.) is set when the power is turned on and when the disc is replaced.
  If that language is not included on the disc, the disc's default language is set.
- When the subtitle language is changed, several seconds may be required for the new language to appear.
- When a disc supporting the closed caption is played, the subtitle and the closed caption may overlap each other on the TV monitor.
  In this case, turn the subtitle off.

Switching the Angle (Multiple Angle Function)

■ With DVDs containing multiple angle signals, the angle can be switched during playback.



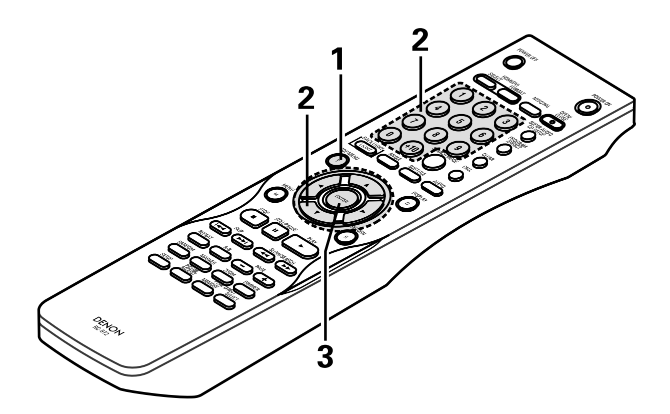
1	During playback, press the ANGLE button. • The current angle number is displayed.	ANGLE Remote control unit 3 / 5
2	Use the ▲ and ▼ cursor buttons to select the desired angle. • The display turns off when the ANGLE button is pressed.	Remote control unit 4 / 5

NOTES:
- The multiple angle function only works with discs on which multiple angles are recorded.
- "ANGLE" lights on the main unit's display when playing a section recorded in the multi-angle mode.
- At scenes where multiple angles are recorded, the angle can be switched.

19 USING THE MENUS

Using the Top Menu

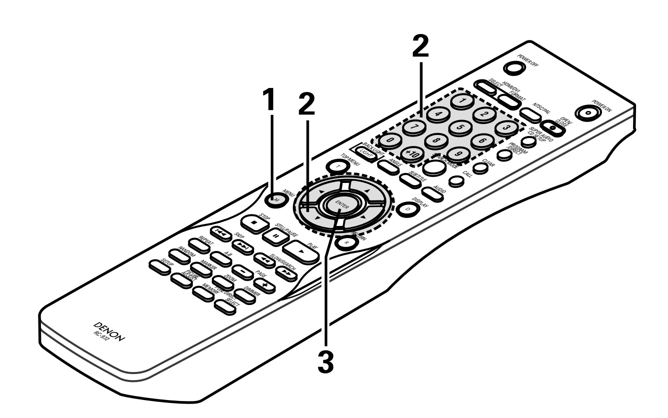
■ For DVDs containing multiple titles, the desired title can be selected and played from the top menu.



1	During playback, press the TOP MENU button. • The top menu appears.	TOP MENU Remote control unit Example: TOP MENU Apple · Banana Orange · Strawberry Peach · Pineapple
2	Use the cursor or number buttons to select the desired title. • If you select the title number using the number buttons, skip step **3** below.	Remote control unit 1 2 3 4 5 6 7 8 9 0 +10 Remote control unit Example: When "Orange" is selected TOP MENU Apple · Banana Orange · Strawberry Peach · Pineapple
3	Press the ENTER button. • Playback starts. • Playback also starts if the PLAY button is pressed.	ENTER Remote control unit

Using the DVD Menu

■ Some DVDs include special menus called DVD menus.
For example, DVDs with complex contents may contain guide menus, and DVDs with multiple languages may contain audio and subtitle language menus.
These menus are called “DVD menus”.
Here we describe the general procedure for using DVD menus.

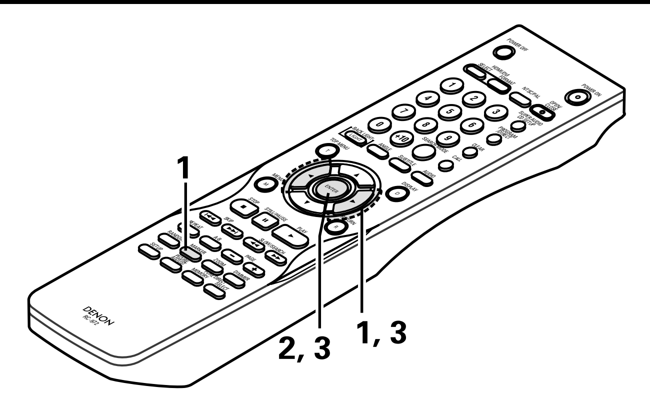


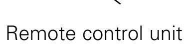
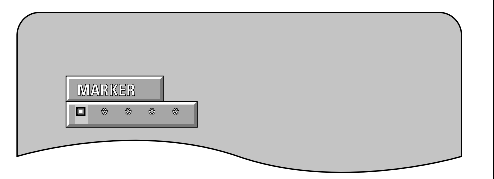
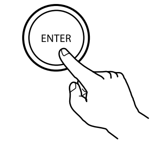
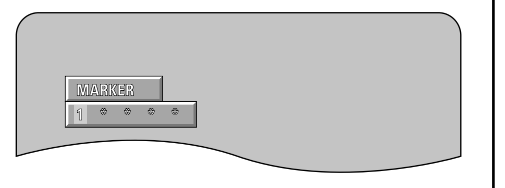
Step	Procedure	Illustration
1	During playback, press the MENU button. • The DVD menu appears.	MENU Remote control unit Example: DVD MENU 1. SUB TITLE 2. AUDIO 3. ANGLE
2	Use the cursor or number buttons to select the desired item. • If you select the item using the number buttons, skip step **3** below.	Remote control unit 1 2 3 4 5 6 7 8 9 0 +10 Remote control unit Example: “AUDIO” is selected DVD MENU 1. SUB TITLE 2. AUDIO 3. ANGLE
3	Press the ENTER button. • The selected item is set. • If more menus appear, repeat steps **2** and **3**.	ENTER Remote control unit

20 MARKING SCENES YOU WANT TO SEE AGAIN

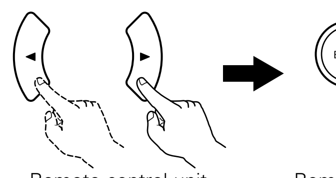
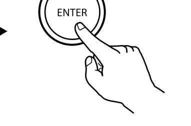
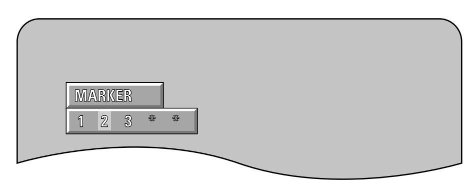
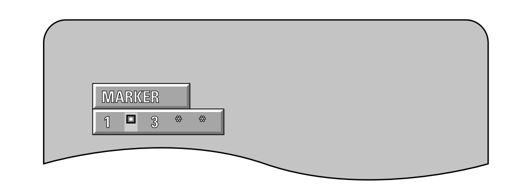
■ Set marks at scenes you want to see again so that you can start playback from the marked position whenever you want.

Setting Marks (DVD-AUDIO / DVD-VIDEO)



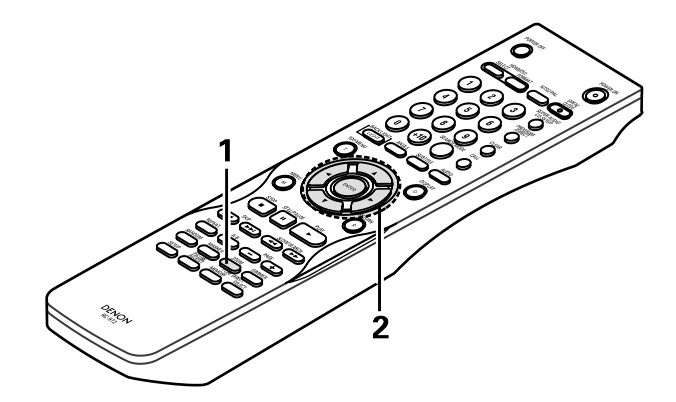
1	During playback, press the MARKER button. • The marker screen appears. • Use the ◄ and ► cursor buttons to select the "*" marks. • "*" is displayed if the mark is not set.	  Remote control unit 
2	Press the ENTER button at the scene you want to mark. • A number is displayed. • Up to five marks can be set. (To select another marker, use the cursor buttons (◄, ►).)	  Remote control unit 

Calling Out Marked Scenes and Clearing Marks

3	Use the ◄ and ► cursor buttons to select the marker number and press the ENTER button. • If the marker screen is not displayed during playback, press the MARKER button to display it.	 Remote control unit  Remote control unit 
✻ To clear the marker display: Press the MARKER button. ✻ To clear a marker: Use the ◄ and ► cursor buttons to select a marker number and press the CLEAR button. • You can clear existing markers, but they are restored when you open the disc tray or switch the unit to standby.		

NOTES:
- All the markers added with this unit are cleared when the unit is switched to standby or the disc tray is opened.
- Depending on where the marker is set, subtitles may not be displayed.

21 PLAYING IN THE ZOOM MODE



1	In the play or pause mode, press the ZOOM button. • The zoom rate increases each time the ZOOM button is pressed. For DVD video discs and video CDs: OFF → x1.5 → x2 → x4 → OFF For DVD audio discs: OFF → x2 → x4 → OFF • When "PLAYER MODE" at "OTHER SETUP" in "SETUP" is set to "AUDIO", zooming is not possible at still pictures.	ZOOM Remote control unit
2	Use the cursor buttons (▼, ▲, ◄ and ►) to move the zoomed picture.	Remote control unit

NOTES:
- Zooming is not possible with some discs.
- The zoom function may not work properly at some scenes.
- Zooming is not possible at the top menu or the menu screen.
- When the picture is enlarged, the picture quality may be decreased and the picture may be blurred.

22 PLAYING MP3

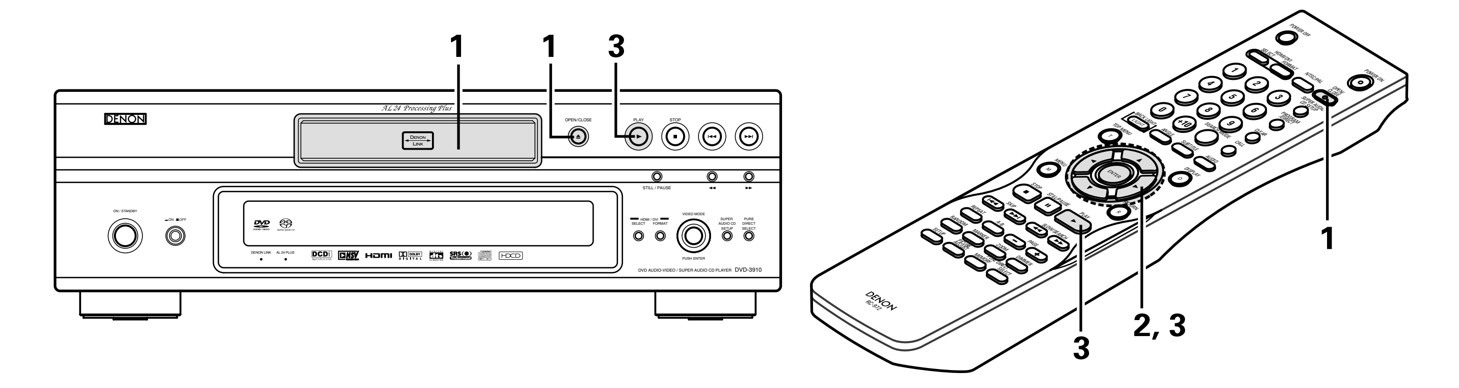
Listening to MP3 CD, CD-Rs and CD-RWs

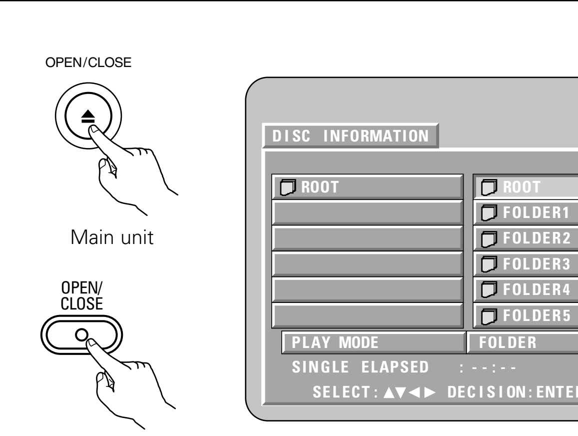
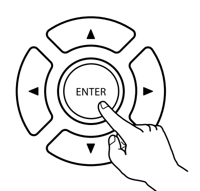
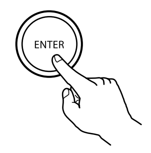
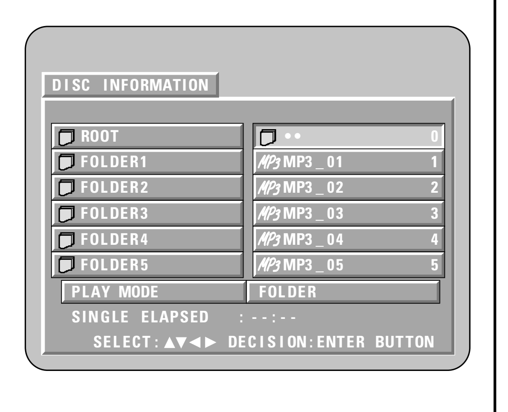
■ There are many music distribution sites on the internet from which music files in MP3 format can be downloaded. Music downloaded as instructed on the site and written onto a CD-R/RW disc can be played on the DVD-3910.

If music recorded on commercially available music CDs is converted on a computer into MP3 files using an MP3 encoder (conversion software), the data on a 12 cm CD is reduced into about 1/10 the amount of the original data. Thus, when written in MP3 format, the data of about 10 music CDs can fit onto the one CD-R/RW disc. The one CD-R/RW disc can contain over 100 tracks.

✻ Values when 5-minute tracks are converted with a standard bit rate of 128 kbps into MP3 files and using a CD-R/RW disc with a capacity of 650 MB.

✻ **Uses of recordings you have made other than for your personal enjoyment are not permitted under the Copyright Law without permission of the copyright holder.**



Step	Instructions	Illustration
1	Load the CD-R/RW disc on which the MP3 format music files have been written into the DVD-3910. (See page 25.) • When the disc is loaded in the DVD-3910, the disc information screen appears. • If there are multiple folders, proceed to step **2**. • If there are no folders on the disc, proceed to step **3**.	OPEN/CLOSE Main unit OPEN/ CLOSE Remote control unit 
2	Use the cursor buttons (▼, ▲, ◄ and ►) to select the folder containing the file(s) you want to play, then press the ENTER button. ✻ **To change the folder** Use the cursor buttons to select "ROOT", then press the ENTER button. The screen in step **1** reappears. Select the desired folder.	 Remote control unit  Remote control unit 

3

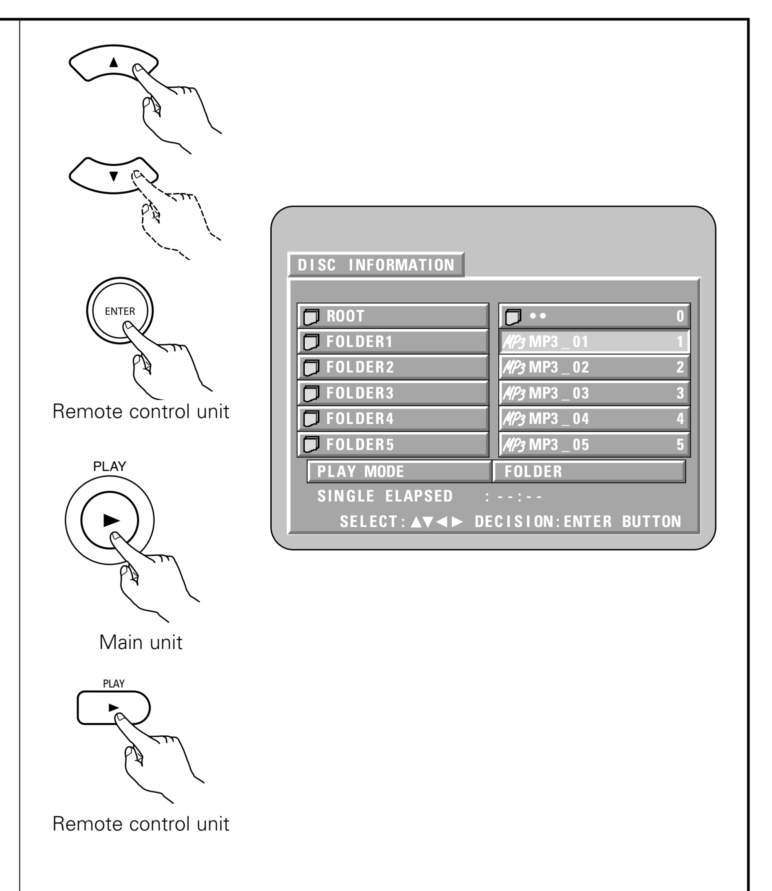
Use the ▲ and ▼ cursor buttons to select the MP3 file you want to play, then press the PLAY button or ENTER button.
- Playback starts.

✻ The display can be switched between the single elapsed time and the single remaining time and the track name by pressing the DISPLAY button.
✻ Programmed playback is not possible with MP3 discs.

✻ **To change the MP3 file**
Press the STOP button, then use the ▲ and ▼ cursor buttons to reselect the desired MP3 file.
✻ **To set the random play mode**
In the stop mode, press the RANDOM button. Then press the PLAY button or ENTER button.
✻ **To set the repeat mode**
The repeat mode changes each time the REPEAT button is pressed.

→ FOLDER → TRACK REPEAT → FOLDER REPEAT →

✻ **To return to the initial disc information screen**
Press the STOP button, use the cursor button to select "ROOT", then press the ENTER button.
The screen in step **1** reappears.



NOTES:
- The DVD-3910 is compatible with the "MPEG-1 Audio Layer 3" standards (sampling frequency of 44.1 kHz or 48 kHz). It is not compatible with such other standards as "MPEG-2 Audio Layer 3", "MPEG-2.5 Audio Layer 3", MP1, MP2, etc.
- It may not be possible to play some CD-R/RW discs due to disc properties, dirt, warping, etc.
- The digital signals output when playing MP3 files are MP3 signals converted into PCM, regardless of whether the audio output presetting is set to "normal" or "PCM". The signals are output with the same sampling frequency as that of the music source.
- In general, the higher an MP3 file's bit rate, the better the sound quality. On the DVD-3910, we recommend using MP3 files recorded with bit rates of 128 kbps or greater.
- MP3 files may not be played in the expected order, since the writing software may change the position of the folders and the order of the files when writing them on the CD-R/RW.
- Programmed playback are not possible with MP3 discs.
- When writing MP3 files on CD-R/RW discs, select "ISO9660 level 1" as the writing software format. This may not be possible with some types of writing software. For details, refer to the writing software's usage instructions.
- The number of files playable with the DVD-3910 is approximately 600 or less.
- With the DVD-3910 it is possible to display folder names and file names on the screen like titles. The DVD-3910 can display up to 8 characters, consisting of numbers, capital letters, and the "_" (underscore) mark.
- If recorded in a format other than "ISO9660 level 1", normal display and playback may not be possible. In addition, folder and file names including other symbols will not be displayed properly.
- Be sure to add the extension ".MP3" to MP3 files. Files cannot be played if they have any extension other than ".MP3" or if they have no extension. (with Macintosh computers, MP3 files can be played by adding the extension ".MP3" after the file name consisting of up to 8 capital or numbers and recording the files on the CD-R/RW.)
- Do not apply stickers, tape, etc., to either the label side or the signal side of CD-R/RW discs. If adhesive gets on the surface of a disc, the disc may get stuck inside the DVD-3910 and be impossible to eject.
- The DVD-3910 is not compatible with packet write software.
- The DVD-3910 is not compatible with ID3-Tag.
- The DVD-3910 is not compatible with play lists.
- The DVD-3910 is not compatible with MP3 PRO.
- Do not play CD-R/RW discs containing any files other than music CD files (in CD-DA format), WMA, MP3 and JPEG files. Doing so may result in malfunction or damage, depending on the type of file.

23 PLAYING WMA

■ Listening to WMA (Windows Media Audio) CD-R/CD-RW

- This unit can play CD-R/RW music files that have been recorded in the WMA (Windows Media Audio)* audio compression format.



Windows Media and the Windows logo are trademarks, or registered trademarks of Microsoft Corporation in the United States and/or other countries.

✻ WMA (Windows Media Audio): New audio coding of Microsoft Corporation.

✻ **Uses of recordings you have made other than for your personal enjoyment are not permitted under the Copyright Law without permission of the copyright holder.**

- The method of playback is the same as "Listening to Recorded MP3 CD/CD-R/CD-RW" on Pages 73 and 74.
  - In the file display of the disc information screen, WMA files will be displayed with the "WMA" icon instead of the "MP3" icon. (Files for which the "WMA" icon is not displayed cannot be played. There will be a skip and the next file with an icon will be played.)

NOTES:

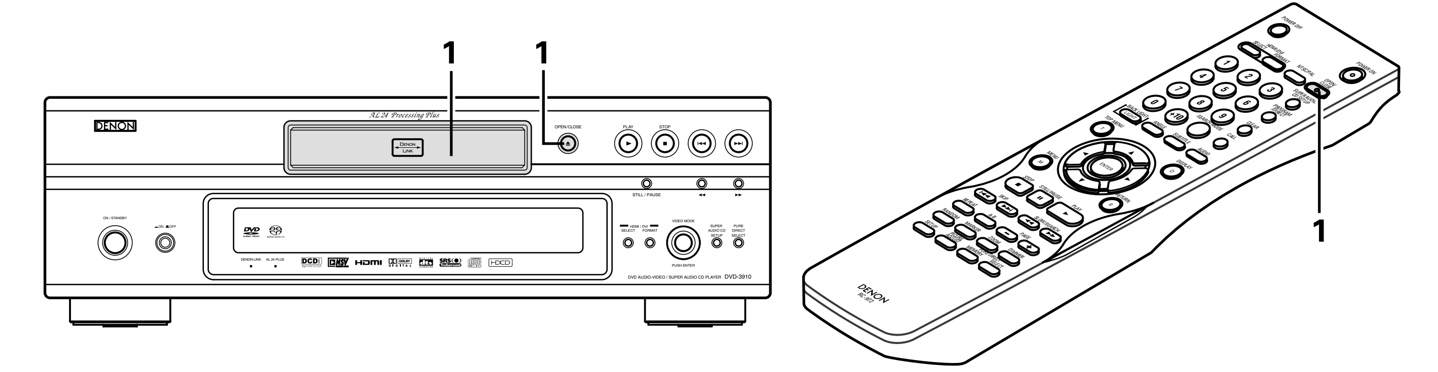
- Files recorded with a sampling frequency (fs) of 44.1 kHz, and 48 kHz are supported.
- Programmed playback cannot be performed with WMA discs.
- The digital output at the time of WMA file playback is converted to PCM regardless of the initial settings.
- Please use discs that have been recorded in conformity with the ISO 9660 level 1/level 2 CD-ROM file system. (Extended formats are excluded.)
- Copyright protected files cannot be played. Also note that depending on the writing software and conditions, playback might not be possible, or the files might not be displayed properly.
- Playback of the CD-R/RW might not be possible depending on the disc characteristics, soiling, scratches, and other factors.
- Bit rates of 64 k to 160 kbps are supported for WMA files that have an extension of ".wma" or ".WMA".
- This unit can display the folder names and file names on the screen. Up to 11 half-width alphanumeric upper case characters and symbols (including the underscore symbol) can be displayed. Kanji, hiragana, katakana and other characters cannot be displayed.
- While in the stop condition, the DISPLAY button of the remote control can be used to switch and display the title names and the artist names. (One folder has a capacity of up to 99 files.)
- Recorded discs with no more than 99 files per folder are recommended. Multiple folder configurations are possible; however, depending on the configuration, recognition and playback of all the folders and files might not be possible.
- Multi-session discs can also be played back, however, playback of discs that have had session closure within 10 sessions.
- Direct track selection using the remote control numerical keys (0 to 9, and +10) can specify up to 179 tracks (179 files) per folder. When 179 tracks are exceeded, while the unit is stopped, use the cursor buttons at the disc information screen to select the files, and use the play button or the ENTER button to play.

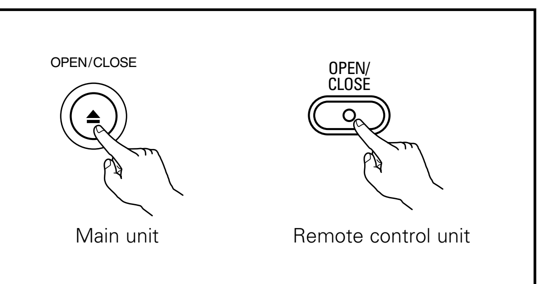
24 PLAYING STILL PICTURE FILES (JPEG FORMAT)

■ JPEG files stored on Kodak picture CDs, Fujicolor CDs, CD-Rs and CD-RWs can be played as a slide show and enjoyed on the DVD-3910.

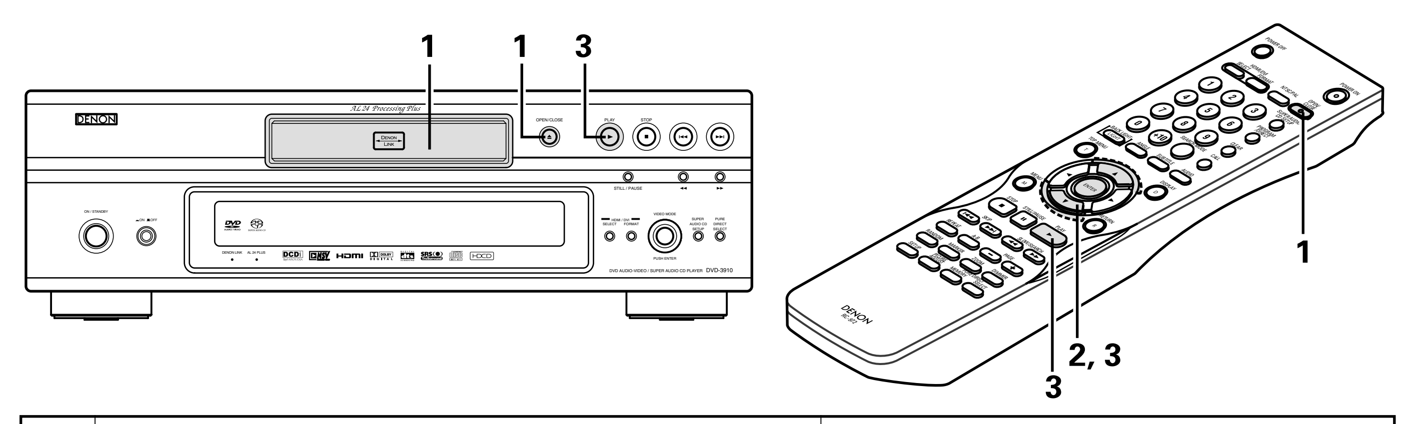
Playing still picture

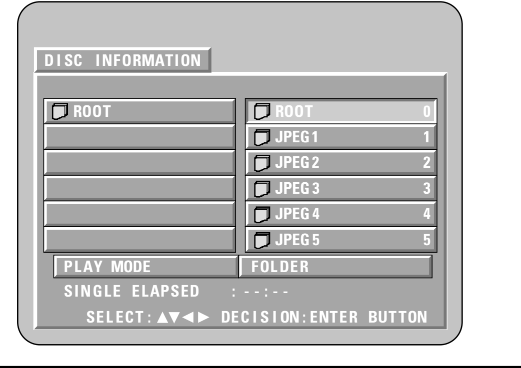
■ Kodak picture CDs and Fujifilm Fujicolor CDs can be played on the DVD-3910.
When a CD (recording still picture) is played, the photographs on the CD can be displayed on a TV.
("Picture CD" and "Fujicolor CD" are service by which photographs taken on conventional silver film cameras are converted into digital data and written on CDs. For details on Kodak picture CD, contact a store that offers Kodak development services. For details about Fujicolor CDs, please contact a store offering Fuji Photo Film developing services.)



1	Load the Kodak picture CD into the DVD-3910. • When the disc is loaded, a slide show of the still pictures begins automatically. • The slide show continues until the STOP button is pressed. Load the Fujicolor CD into the DVD-3910. • When the disc is loaded, a maximum of 9 still pictures are displayed automatically. • The slide show continues until the STOP button is pressed.	

Playing still pictures stored on CD-Rs/RWs

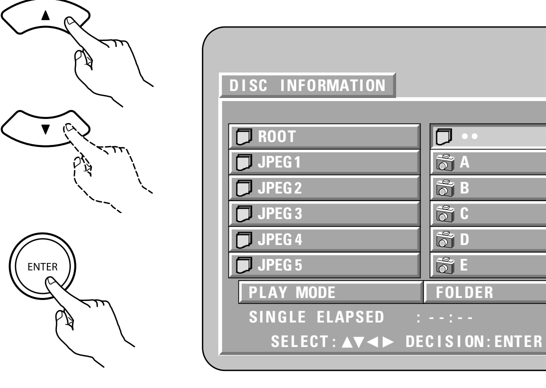


1	Load the CD-R/RW on which the still pictures have been written into the DVD-3910. • When the disc is loaded in the DVD-3910, the disc information screen appears. • If there are multiple folders, proceed to step **2**. • If there are no folders on the disc, proceed to step **3**.	

2

Use the ▲ and ▼ cursor buttons to select the folder containing the file(s) you want to play, then press the ENTER button.

✻ **To change the folder**
Use the cursor button to select "ROOT", then press the ENTER button. The screen in step **1** reappears. Select the desired folder.



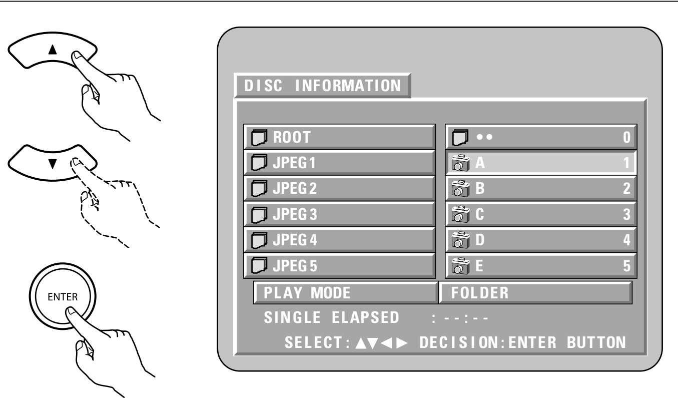
Remote control unit

3

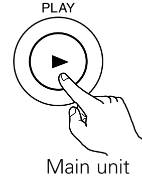
Use the ▲ and ▼ cursor buttons on the remote control unit to select the still picture file from which you want to start the slide show, then press the PLAY button or the ENTER button on the remote control unit.

- The slide show starts.
- Only the still picture files in the selected folder are played.

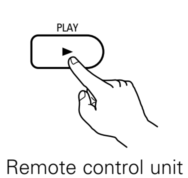
✻ Once all the still picture files in the folder have been played, the disc information screen reappears.



Remote control unit



Main unit



Remote control unit

✻ To view several of the still pictures stored on the disc at once:
- To select and view a still picture (to start the slide show from a specific still picture), use the cursor buttons (▼, ▲, ◄ and ►) to select the desired still picture, then press the ENTER button.

✻ To temporarily stop the slide show:
- Press the STILL/PAUSE button.
- To resume the slide show, press the PLAY button.

✻ To cue a still picture you want to view (from which you want to start the slide show):
- During the slide show, press one of the SKIP (I◄◄, ►►I) buttons. Press the SKIP I◄◄ button to cue back to the previous still picture, the SKIP ►►I button to cue ahead to the next still picture.

✻ Flipping and rotating still pictures:
- Use the cursor buttons (▼, ▲, ◄ and ►) to flip the still picture.
  - ▲ cursor button: The currently displayed still picture is flipped vertically.
  - ▼ cursor button: The currently displayed still picture is flipped horizontally.
  - ◄ cursor button: The currently displayed still picture is rotate 90° counterclockwise.
  - ► cursor button: The currently displayed still picture is rotate 90° clockwise.

✻ Play the image in the zoom mode.
- When the ZOOM button is pressed while playing a JPEG image ("ZOOM ON" is displayed on the screen at this time) zoom in and zoom out using the search keys.
  ◄◄: zoom out, ►►: zoom in
- When the image is zoomed, use the cursor buttons (▼, ▲, ◄ and ►) to move the zoomed picture.
- Continuous playback (SLIDE SHOW) is not possible in the zoom mode.
- Zooming is not possible with files that have a low resolution.

✻ The way of switching to the next image during continuous JPEG image playback (SLIDE SHOW) can be selected.
- Preset the SEARCH MODE button on the remote control unit.
- Select from SLIDE SHOW MODE:1 to MODE:11, MODE:RAND and MODE:NONE.

Special play modes for WMA and MP3 and JPEG files

Use the ◄ and ► cursor buttons to select the play mode, the ▲ and ▼ cursor buttons to select the special play mode.

- FOLDER (the WMA and MP3 and JPEG files in the folder are played in order starting from the selected file)
- FOLDER REPEAT (all the WMA and MP3 and JPEG files in the folder are played repeatedly starting from the selected file)
- DISC (all the WMA and MP3 and JPEG files on the disc are played in order starting from the selected file)
- DISC REPEAT (all the WMA and MP3 and JPEG files on the disc are played repeatedly starting from the selected file)
- RANDOM ON (all the WMA and MP3 and JPEG files in the folder are played in random order starting from the selected file)
- TRACK REPEAT (the select WMA or MP3 or JPEG file is played repeatedly)

NOTES:

- The DVD-3910 is compatible with image data stored in JPEG format, but Denon does not guarantee that all image data stored in JPEG format can be viewed.
- Files with sizes of up to 30 Mbytes can be displayed.
- It may not be possible to play some CD-Rs/RWs due to disc properties, dirt, scratches, etc.
- When storing JPEG files on the CD-R/RW, set the writing program to store the files in the “ISO9660 level 1” format.
- Be sure to give JPEG files the extension “.JPG” and “.JPE”. Files with other extensions or with no extensions cannot be viewed on the DVD-3910.
- Do not apply stickers, tape, etc., to either the label side or the signal side of CD-R/RW discs. If adhesive gets on the surface of a disc, the disc may get stuck inside the DVD-3910 and be impossible to eject.
- Do not play CD-R/RW discs containing any files other than music CD files (in CD-DA format), WMA, MP3 and JPEG files. Doing so may result in malfunction or damage, depending on the type of file.
- JPEG files written using Macintosh computers cannot be played.

25 TROUBLESHOOTING

Check again before assuming the player is malfunctioning

■ Are all the connections correct ?
■ Are you following the instructions in the manual ?
■ Are the amplifier and speakers operating properly ?

If the DVD-3910 does not seem to be functioning properly, check the table below. If this does not solve the problem, the DVD-3910 may be damaged. Turn off the power, unplug the power cord from the power outlet, and contact your store of purchase or nearest Denon sales office.

Symptom	Check	Page
Power does not turn on.	• Plug the power supply cord securely into the power outlet.	10~20, 22
Playback does not start when PLAY button is pressed. Playback stops immediately.	• Is there condensation on the disc or player ? (Let stand for 1 or 2 hours.) • Discs other than DVDs,SuperAudio CDs, video CDs and music CDs cannot be played. • Disc is dirty. Wipe off the dirt.	– 8 9
Picture does not appear.	• Check the connections. • Check that VIDEO OUT has not been set to “VIDEO OUT : OFF” or “ALL OFF” for PURE DIRECT MODE. • Set the TV’s input to “video”. • When the HDMI or DVI-D connector output the signals, no progressive signals from the component video connector. If you wish to use the component video output, set to “OFF” for HDMI/DVI SELECT.	10~20 47, 48 – 19, 20, 53
Sound is not produced or sound quality is poor.	• Check the connections. • Properly set the input of the TV, stereo, etc. • Check the “DIGITAL OUT” and “COMPRESSION” settings. • Digital signals cannot be output with Super audio CDs. Use analog connections. • Area/layer of Super audio CD being played (MULTI/STEREO/CD) does not match amplifier connections. • When the video output setting at “PURE DIRECT” is set to “VIDEO OUT:OFF” or “ALL OFF”, no sound at HDMI connector.	10~20 – 38, 41, 42 14, 15 14, 15, 48 47, 48
Menu playback of video CD’s is not possible.	• Menu playback is not possible with anything but video CDs with playback control.	57
Picture is disturbed during the search operation.	• Some disturbance is normal.	–
Buttons do not operate.	• Some operations are disabled for some discs.	57
No subtitles are displayed.	• Subtitles are not displayed for DVDs not containing subtitles. • Subtitles are turned off. Turn the subtitles setting on.	– 29, 30
Audio (or subtitle) language does not switch.	• The audio (or subtitle) language does not switch for discs which do not include multiple audio (or subtitle) languages. • For some discs the audio (or subtitle) language cannot be switched when the operation to switch it is performed, but can be switched on the menu screens.	66, 67 70
Angle does not switch.	• The angle cannot be switched for DVDs which do not contain multiple angles. In some cases multiple angles are only recorded for specific scenes.	68
Playback does not start when the title is selected.	• Check the “RATINGS” setting.	43, 44
The password for rating level has been forgotten. **Reset all the setting to Factory Preset.**	• While the player is in the stop mode, hold the player’s SKIP ▶▶I button and the PLAY button down simultaneously and then hold the OPEN/CLOSE button down for longer than 3 seconds (until “INITIALIZE” disappears from the TV monitor). The lock will be released and all default settings and picture settings will return to the default values.	–
The disc is not played with the audio or subtitle language set as the default setting.	• The disc does not play with the selected audio or subtitle language if that audio or subtitle language is not included on that DVD.	29~31
Picture is not displayed in 4:3 (or 16:9).	• Set the “TV ASPECT” default setting to the proper setting for the connected TV.	36
Menu screen messages for the desired language do not display.	• Check the default setting for the disc language’s menu language.	29~31

Symptom	Check	Page
An image is not projected with an HDMI/DVI connection.	• Check the HDMI/DVI connection.(Check the status of the HDMI/DVI-related indicators.) • Check whether the connected monitor equipment or other equipment supports HDCP. (The DVD-3910 will not output a video signal unless the other equipment supports HDCP.) • Check the settings of "HDMI/DVI SELECT". • Check whether the output format of the DVD-3910 (HDMI/DVI FORMAT) matches the supported input format of other connected equipment. • Check whether the video output setting at "PURE DIRECT" is set to "VIDEO OUT:OFF" or "ALL OFF".	19, 20 19, 20 53 19, 20 47, 48
Remote control unit does not operate.	• Check that the batteries are inserted in the proper "⊕" and "⊖" directions. • The batteries are dead. Replace them with new batteries. • Point the remote control unit at the remote control sensor when operating it. • Operate the remote control unit within a distance of 7 meters from the remote control sensor. • Remove the obstacle between the remote control unit and remote control sensor.	23 23 23 23 23

26 MAIN SPECIFICATIONS

Signal system:	NTSC/PAL
Applicable discs:	(1) DVD-Audio/DVD-Video discs 1-layer 12 cm single-sided discs, 2-layer 12 cm single-sided discs, 2-layer 12 cm double-sided discs (1 layer per side) 1-layer 8 cm single-sided discs, 2-layer 8 cm single-sided discs, 2-layer 8 cm double-sided discs (1 layer per side) (2) Super audio CDs Single layer 12 cm discs, Dual layer 12 cm discs, Hybrid layer 12 cm discs (3) Compact discs (CD-DA, Video CD) 12 cm discs, 8 cm discs
S-Video output:	Y output level : 1 Vp-p (75 Ω/ohms) C output level: 0.286 Vp-p Output connector : S connector, 1 set
Video output:	Output level : 1 Vp-p (75 Ω/ohms) Output connector : Pin jack, 1 set
Component output:	Y output level : 1 Vp-p (75 Ω/ohms) PB/CB output level : 0.7 Vp-p (75 Ω/ohms) PR/CR output level: 0.7 Vp-p (75 Ω/ohms) Output connector : Pin jack, 1 set
HDMI output:	Output connector : HDMI connector, 1 set
DVI output:	Output connector : DVI-D connector, 1 set
Audio output:	Output level : 2 Vrms 2 channel (L, R) output connector: Pin jack, 1 set Multi channel (FL, FR, C, SW, SL, SR) output connector: Pin jack, 1 set
Audio output properties:	(1) Frequency response ① DVDs (linear PCM) : 2 Hz to 22 kHz (48 kHz sampling) : 2 Hz to 44 kHz (96 kHz sampling) : 2 Hz to 88 kHz (192 kHz sampling) ② Super audio CDs : 2 Hz to 100 kHz ③ CDs : 2 Hz to 20 kHz (2) S/N ratio : 120 dB (3) Total harmonic distortion : 0.0008 % (4) Dynamic range : 110 dB
Digital audio output:	Optical digital output : Optical connector, 1 set Coaxial digital output : Pin jack, 1 set DENON LINK output : DENON LINK connector, 1 set IEEE 1394 terminal : IEEE 1394 connectors, 2 sets
Power supply:	For Southeast Asia model : AC 230 V, 50 Hz For Taiwan R.O.C. model : AC 120 V, 60 Hz
Power consumption:	For Southeast Asia model : 39W For Taiwan R.O.C. model : 35W
Maximum external dimensions:	434 (width) x 137 (height) x 403 (depth) mm (17-3/32" x 5-25/64" x 15-55/64") (including protruding parts)
Mass:	9.3 kg (20 lbs 8 oz)

■ **Remote control unit:** RC-972
Type: Infrared pulse
Power supply: DC 3 V, 2 R6P/AA batteries

This product incorporates copyright protection technology that is protected by method claims of certain U.S. patents and other intellectual property rights owned by Macrovision Corporation and other rights owners. Use of this copyright protection technology must be authorized by Macrovision Corporation, and is intended for home and other limited viewing uses only unless otherwise authorized by Macrovision Corporation. Reverse engineering or disassembly is prohibited.

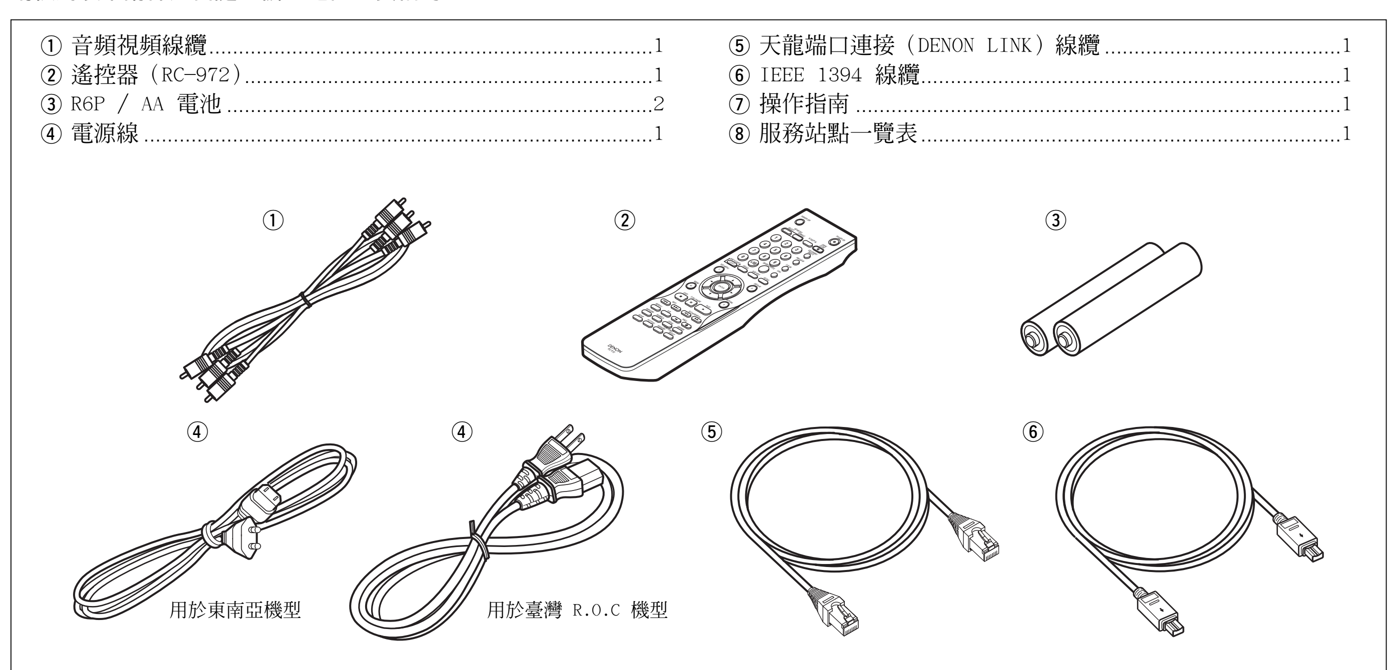
✻ Design and specifications are subject to change without notice in the course of product improvement.

— 目錄 —

• 附件

請核對以下附件是否隨主機一起在包裝箱內：

① 音頻視頻線纜 1
② 遙控器（RC-972）....1
③ R6P / AA 電池 2
④ 電源線 1
⑤ 天龍端口連接（DENON LINK）線纜 1
⑥ IEEE 1394 線纜 1
⑦ 操作指南 1
⑧ 服務站點一覽表 1



1 特點

1. 數碼傳輸接口

使用一根隨附的線纜將 DVD-3910 與另一個與天龍兼容的數碼傳輸設備（AV 功放等）相連以實現低損耗且高質的數碼音效。

(1)天龍連接端口

該端口可用於 DVD 視頻信號及 DVD 音頻中多聲道音頻信號的數碼傳輸。

(2)IEEE 1394 端口

該端口可用於 DVD 視頻信號，DVD 音頻信號，超級 CD 信號及其他多聲道音頻信號的數碼傳輸。

使用一根特殊的線纜連接配備下列一種端口的與 HDCP 兼容的顯示設備可實現數碼視頻信號傳輸。

當使用 CPPM 播放 DVD 音頻時，視頻信號無法輸出，HDMI 端口的音頻信號也無法輸出。

(3)HDMI 端口

以色隙（Y / Cb / Cr）或 RGB 傳輸數碼視頻信號。

同時可傳輸音頻信號，因此僅用一根線纜就可傳輸音頻和視頻信號。

(4)DVI-D 端口

以 RGB 傳輸數碼視頻信號。

2. 兼容超級 CD 多聲道播放

除了播放 DVD 音頻和視頻碟片以外，DVD-3910 還可在 100kHz 的播放頻率範圍內和超過 120dB 動態範圍的可聽頻率範圍內播放多聲道超級 CD，且最大可輸出 5.1 聲道。

3. 全聲道 AL24 輔助處理技術

AL24 輔助處理技術可補償輸入數碼數據以再現最接近於自然的，帶模擬波表的聲音並具備 24 位數碼品質。這如同將您拉進音樂廳，並且重點再現以往音響繫統所無法聽到的非常細小的電平混響。

不僅配備左右聲道，還配有前左和前右，環繞左和環繞右，中置和低音炮聲道。

4. 高精度 24 位 D/A 轉換器

音頻播放電路中包含在業界享有高技術規格的先進的區段型 D/A 轉換器。該款轉換器是由享有以研制 D/A 轉換器盛名的 Burr-Brown 公司生產的。這款高性能 D/A 轉換器，不僅支持 24 位 /192 kHz 的 DVD-音頻數據輸入，還包括一種模擬純 FIR 過濾器，可完美進行 SACD 的 DSD 播放。另外，在多聲道播放時，同樣的數碼音頻轉換器也充分用於前置，環繞，中置及 LFE 聲道，以重現完美的音質。

5. HDCD®（高清晰可兼容數碼®）解碼器（注意 1）

HDCD 是一種在進行與常規 CD 模式兼容的數碼錄音時，大大減小失真的加碼/解碼技術，允許 24 位數據轉化爲當前 CD 的 16 位數據且不降低音質。

使用 HDCD 解碼器可在播放 HDCD 兼容的碟片時充分發揮HDCD 高清晰和低失真的特點，並且 DENON 的數碼科技優化了HDCD 科技提供高音質的能力。另外，本機可自動辨別常規CD，DVD 及 HDCD 兼容 CD，並能最優化處理所播放的碟片。

6. 杜比數碼 / DTS 解碼器（注意 2，3）

DVD-3910 配有內置杜比數碼/DTS 解碼器，當 DVD-3910 同時配合 AV 功放及揚聲器使用時，可產生影院及音樂廳的環繞音場效果。

7. 分級掃描回路“DCDi™”（注意 4）

DVD-3910 配有高精確度的分級掃描回路“DCDi™”，可以重現高質量的 DVD 影音畫面。

8. 最新開發的視頻處理回路

可檢測水平，垂直和對角線方向中毗鄰圖像元素之間的亮度和顏色差別來調整輪廓。亮度信號和顏色信號被分別處理，產生自然，清晰的圖像。

9. 12- 比特 / 216MHz 視頻 D/A 轉換器（注意 5）

DVD-3910 使用一視頻 D/A 轉換器，可以 12-比特率對所有視頻信號進行 D/A 轉換，以便在分級模式中進行 8X 超取樣處理，取得與 DVD 碟片同等效果的高質量圖像。另外，NSV 技術可通過D/A 轉換降低噪音。

10. 徹底的抗震設計

(1)使用混合裝載器的機械裝置。
(2)拾音機械處於中央以減少全部振動。
(3)超重機架和低重心機構可大大減小振動。

11. 多重功能

(1)靜止圖像播放功能
DVD-3910 上可播放 Kodak Picture CD（注意 6）和 Fujifilm Fujicolor CD（注意 7）。
同時可以播放 CD-R / RWs 上以 JPEG 格式儲存的靜止圖像。
(2)Windows Media™播放功能（注意 8）
DVD-3910 上可播放Windows Media™ CD。
(3)多重音頻功能
多至 8 種的音頻語言選擇。
(對於不同的 DVD，所提供的語種數各不相同。)
(4)多重對白功能
多至 32 種的對白語言選擇。
(對於不同的 DVD，所提供的語種數各不相同。)
(5)多重視角功能
可改變觀看的視角。
(對於已錄制了多重視角的 DVD。)
(6)GUI（繪圖用戶界面）功能
遙控器上的顯示（DISPLAY）鍵可用於在電視機顯示屏上顯示播放機及碟片的信息。
(7)標注功能
可儲存多至 5 個片斷位置，因此您可隨時觀看所需的片段。
(8)播放限制功能
該功能可用於限制兒童播放有些類型的 DVD。

注意：

1. HDCD ®，HDCD®，High Definition Compatible Digital® 和 Microsoft 都是 Microsoft Corporation，Inc. 在美國和 / 或其他國家的注冊商標或商標。HDCD 繫統是在 Microsoft Corporation， Inc. 的版權下生產的。該產品涉及以下範圍：美國：5,479,168，5,638,074，5,640,161，5,808,574，5,838,274，5,854,600，5,864,311，5,872,531，澳大利亞：669114。其他專利待定。
2. 杜比實驗室授權生產，“Dolby”及雙 D 標記是杜比實驗室的商標，未公開出版。
3. “DTS”及“DTS 數碼環繞（DTS Digital Surround）”都是數碼影院繫統公司的注冊商標。
4. “DCDi™”是 Genesis Microchip Inc.，Faroodja 部門的商標。
5. “NSV”是 Analog Devices, Inc. 的商標。
6. “KODAK”是 Eastman Kodak Company 的商標。
7. “FUJICOLOR CD”是 Fuji Photo Film Co.,Ltd. 的商標。
8. “Windows Media™”，“Windows™”是 Microsoft Corporation, Inc. 的商標。

2 碟片

- DVD-3910 上可播放的碟片類型表如下所示。
  碟片標簽或碟套上注明標記。

可用碟片類型	標記（logo）	錄制信號	碟片尺寸
DVD 視頻 DVD 音頻 （注 1） DVD-R DVD-RW （注 2）	DVD VIDEO, DVD VIDEO, DVD AUDIO, DVD R, DVD R, DVD RW, DVD RW	數碼音頻 + 數碼視頻 （MPEG 2）	12 cm 8 cm
超級 CD	SUPER AUDIO CD	數碼音頻	12 cm
VCD （注 1）	COMPACT disc DIGITAL VIDEO	數碼音頻 + 數碼視頻 （MPEG 1）	12 cm 8 cm
CD CD-R CD-RW （注 3）	COMPACT disc DIGITAL AUDIO, COMPACT disc DIGITAL AUDIO Recordable, COMPACT disc DIGITAL AUDIO ReWritable	數碼音頻 MP3 數碼圖像 （JPEG）	12 cm 8 cm
圖像 CD	Kodak Picture CD COMPATIBLE	JPEG	12 cm
Fujicolor CD		JPEG	12 cm
WMA （Windows 媒體音樂）	Plays Windows Media	數碼音頻	12 cm

■ 以下類型的碟片不可在 DVD-3910 上播放：

- 除了地區碼爲“1”或“全球（ALL）”的 DVD。
- DVD-ROM / RAMs
- CD-ROMs（除 MP3，JPEG，WMA 文件）
- CVD / VSDs
- CDVs（僅播放音頻部分）
- CD-Gs（僅輸出音頻部分）
- Photo CDs

注 1：　有些 DVD 音頻，DVD 視頻及視頻 CD 碟片由於其生產廠商的特定意圖而無法按本操作手冊進行操作。

注 2：　播放 DVD-R 及 DVD-RW 碟片
使用 DVD 錄音機以視頻格式錄制的 DVD-R 及 DVD-RW碟片可在 DVD-3910 上播放。
無法播放未最終完成的碟片。
由於不同碟片的錄制狀態問題，有些碟片可能不被接受或無法正常播放（圖像或聲音可能不清晰等）。

注 3：　根據錄音質量，有些 CD-R / RW 無法播放。

注：

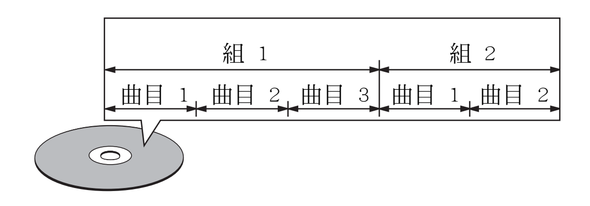
- 本 DVD 播放機根據相應 DVD 碟片上所錄制的區域管理信息而設計生產。
  若 DVD 碟片上所述的區域號與本 DVD 播放機的區域號不符，則該 DVD 播放機無法播放該碟片。
  本款 DVD 播放機的區域號爲 3。



■ 碟片術語

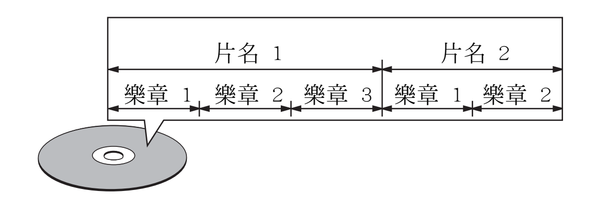
- **組及曲目（DVD-音頻）**
  DVD-音頻將被分成幾個大的部分，稱爲“組”，較小的部分成爲“曲目”。
  針對這些不同的部分，將進行數字分配。這些數字被稱爲“組號”及“曲目號”。

實例：



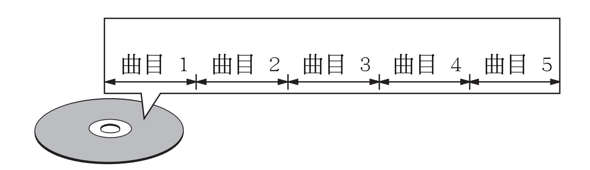
- **片名和樂章（DVD-視頻）**
  DVD-視頻被分成幾個較大的部分“片名”及較小部分“樂章”。
  這些部分均有指定數字，這些數字被稱爲“片名號”及“樂章號”。

實例：



- **曲目（超級 CD，視頻及音樂 CD）**
  超級 CD，視頻及音樂 CD 被分成若干個部分，成爲“曲目”。
  針對這些不同的部分，將進行數字分配。這些數字被稱爲“曲目號”。

實例：

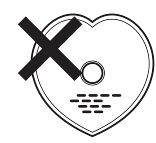
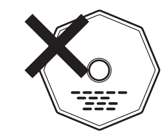


- **播放控制（VCD）**
  在碟片或碟盤上印有“播放控制”的 VCD 具備在電視屏顯示菜單以供選擇及以對話形式顯示簡短的信息等的功能。
  在本手冊中，用該菜單播放 VCD 的方法參閱“菜單播放”。
  帶播放控制的 VCD 可在 DVD-3910 機上播放。

3 碟片使用注意事項

碟片

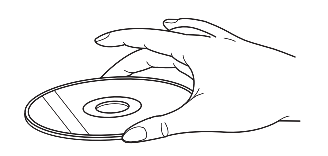
DVD-3910 僅使用第 84 頁上所列的碟片。
注：DVD-3910 無法使用特殊形狀的碟片（心形，六角形等），切勿使用播放機播放此類碟片，否則會損壞播放機。

手持碟片

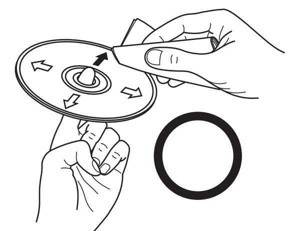
裝入和取出碟片時切勿觸摸碟片表面。

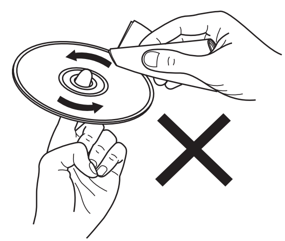
切勿在表面留下指印（陽光照射下呈現彩虹色彩的一面）。



清潔碟片

■ 碟片的指印或髒物會減低聲音和畫面的質量或在播放中引起跳動，擦淨指印或髒物。
■ 使用市售的清潔裝置或柔軟的布料擦淨指印或髒物。


從中心向外輕輕地擦。


不可以旋轉著擦。

注：
- 切勿使用磁頭清潔劑或抗靜電噴霧劑，切勿使用揮發性化學品如苯，稀釋劑。



使用碟片注意事項

- 切勿使指印，油脂或髒物沾污碟片。
- 從磁盒中取出碟片時當心刮花碟片。
- 切勿彎曲碟片。
- 切勿加熱碟片。
- 切勿擴大中心孔。
- 切勿用圓珠筆或鉛筆在標簽面上書寫。
- 把碟片從寒冷處移至溫暖處會在碟片表面形成小水滴，切勿使用電吹風等吹干碟片。

收藏碟片注意事項

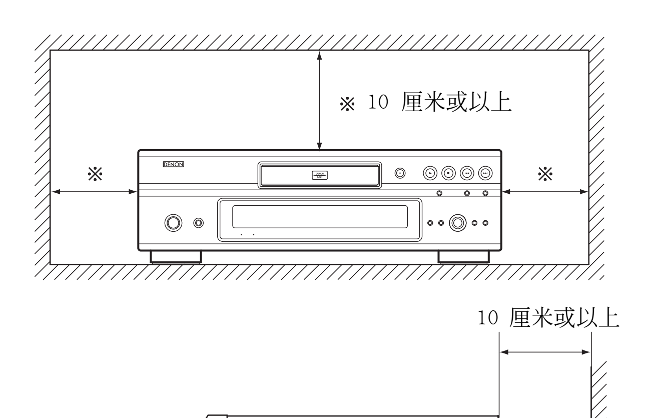
- 播放完畢後取出碟片。
- 碟片收藏在碟盒中，以防髒物沾污，刮花和扭曲。
- 切勿把碟片放置在以下場合：
  1. 長時間暴露於直射陽光下。
  2. 潮濕、肮髒的場合。
  3. 加熱器下加熱等。

裝入碟片注意事項

- 一次裝入一張碟片，疊放碟片會損壞和刮花碟片。
- 應把 8cm 碟片妥善裝入導軌，萬一碟片滑出導軌會卡住碟盤。
- 碟盤關閉時小心夾住手指。
- 碟盤內隻允許裝入碟片。
- 切勿裝入斷裂，扭曲或用粘合劑粘合的碟片。
- 切勿使用表面殘存膠帶或標簽膠劑或有標簽，膠帶等殘跡的碟片。此類碟片會卡住播放機，損傷播放機。

安裝注意事項

為了散熱，本機上部，背部或兩邊需與牆壁或其它物件保持最少 10 厘米距離。



4 連接方法

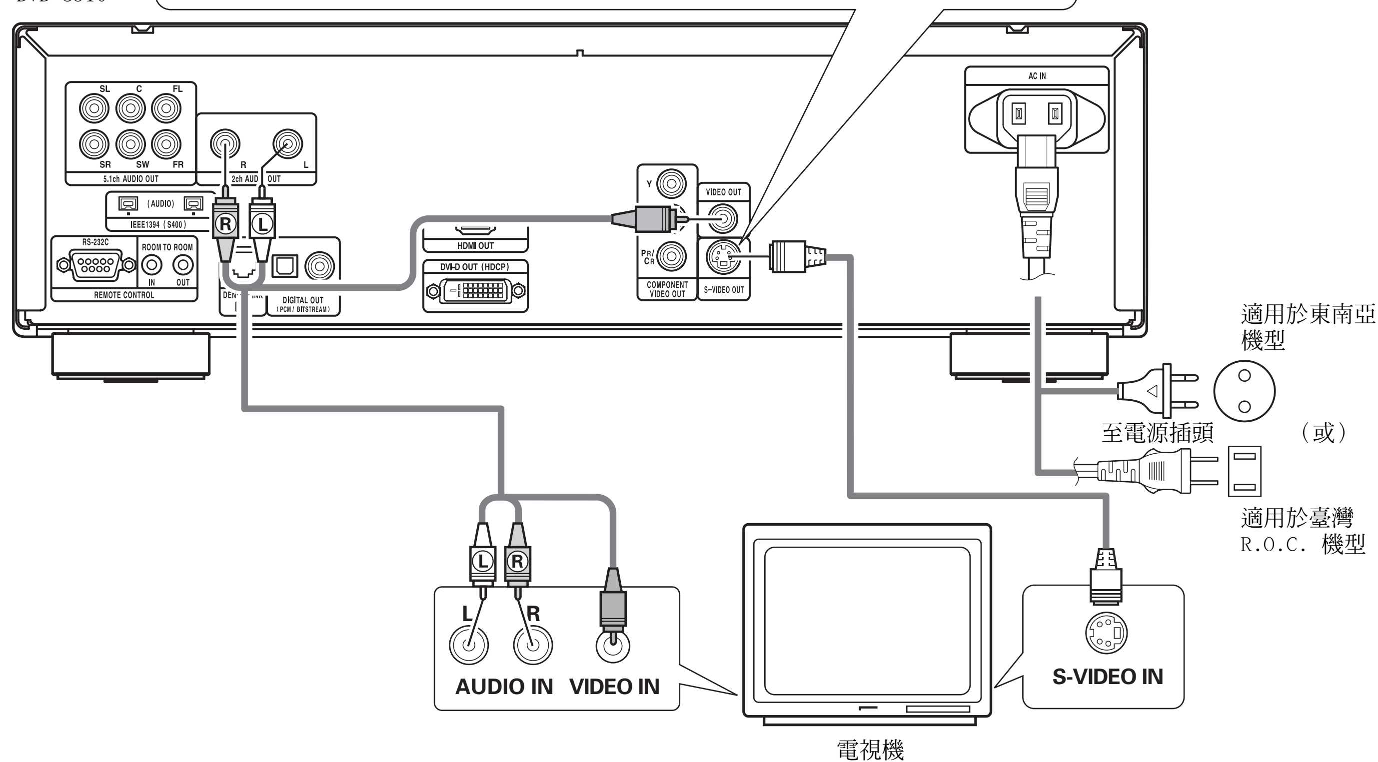
注意：

- 連接時請閱讀所有部件的使用手冊。
- 在完成所有連接前請勿接通電源。
- 連接時如已接通電源，則可能產生雜音並損壞揚聲器。
- 請確認正確連接左右聲道，左（L）接 L，右（R）接 R。
- 請插緊電源線，不然會產生雜音。
- 請勿將連接線纜與電源軟線綁在一起，否則會造成交流聲或雜音。

（1）連接到 TV

- 使用隨附的音頻視頻軟線將 TV 的視頻輸入連接端與音頻輸入連接端連至 DVD-3910 的視頻輸出（VIDEO OUT）和音頻輸出（AUDIO OUT）。

S 端視頻輸出連接口
視頻信號被分割爲色彩（C）和亮度（Y）信號，以獲得更清晰的畫面。
如果電視機帶 S 端視頻輸入接口，我們建議用市售的 S 端視頻連接軟線將它與 DVD-3910 的S端視頻輸出接口相連。



注意：

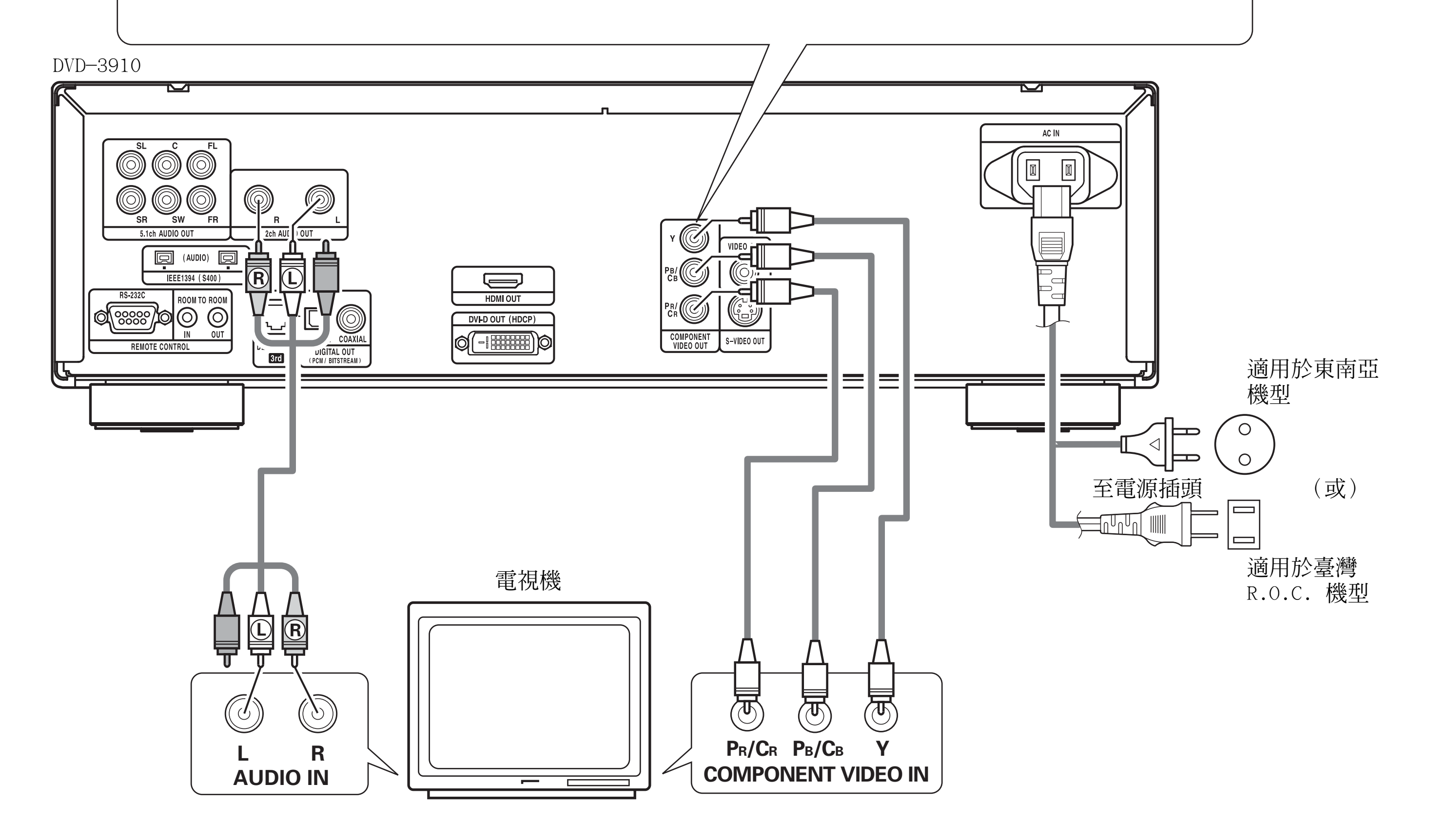
- 直接或通過 AV 功放將 DVD-3910 視頻輸出與電視相連。請勿通過錄像機（VCR）連接。有些碟片含禁止復制信號，如通過 VCR 播放該種碟片，則禁止復制繫統會造成畫面干擾。
- 通過設置使“設置（SETUP）”中“視頻設置（VIDEO SETUP）”的“TV 類型（TV TYPE）”與電視機的視頻制式相符。當 TV 是 NTSC 制式時設置爲 NTSC。（參閱第 112，113 頁。）
- 欲使用 5.1 聲道音頻輸出，請在初始設置“設置（SETUP）”的“音頻設置（AUDIO SETUP）”中的“音頻聲道（AUDIO CHANNEL）”內選擇“2 聲道（2 CH）（SRS 關閉（SRS OFF））”或“2 聲道（2 CH）（SRS 開啓（SRS ON））”。（參閱第 114 頁。）
- 根據您的電視機尺寸在“設置（SETUP）”的“視頻設置（VIDEO SETUP）”中設置“電視尺寸（TV ASPECT）”。（參閱第 112 頁。）
- 欲使用視頻輸出或 S-視頻輸出，在初始設置“設置（SETUP）”的“視頻設置（VIDEO SETUP）”中將“視頻輸出（VIDEO OUT）”設爲“交織（INTERLACED）”。（參閱第 112，113頁。）

（2）連接至帶色差輸入接口的電視機或顯示器

色差輸入接口（PR / CR，PB / CB 和 Y）

紅（PR / CR），藍（PB / CB）及亮度（Y）信號各自獨立輸出，從而更忠實地再現色彩。

- 有些電視機或顯示器上的色差輸入接口可能有不同的標示（PR，PB 及 Y / R-Y，B-Y 及 Y / CR，CB 及 Y 等）。欲知詳情請參閱電視機的操作指南。
- **若您的 TV 兼容分級掃描，請按以下方法連接。**



注意：

- 請使用隨附的視頻軟線和 3 根市售視頻軟線將 DVD-3910 的色差輸出口與電視機或顯示器相連。
- 通過設置使“設置（SETUP）”中“視頻設置（VIDEO SETUP）”的“TV 類型（TV TYPE）”與電視機的視頻制式相符。當 TV 是NTSC 制式時設置爲 NTSC。（參閱第 112，113 頁。）
- 在“設置（SETUP）”的“視頻設置（VIDEO SETUP）”中選擇“視頻輸出（VIDEO OUT）”，與分級型 TV（PROGRESSIVE TV）相匹配。
- 欲使用 5.1 聲道音頻輸出，請在初始設置“設置（SETUP）”的“音頻設置（AUDIO SETUP）”中的“音頻聲道（AUDIO CHANNEL）”內選擇“2 聲道（2 CH）（SRS 關閉（SRS OFF））”或“2 聲道（2 CH）（SRS 開啓（SRS ON））”。（參閱第 114 頁。）
- 根據您的電視機尺寸在“設置（SETUP）”的“視頻設置（VIDEO SETUP）”中設置“電視尺寸（TV ASPECT）”。（參閱第 112 頁。）

消費者應注意，並不是所有的高清晰度電視機都與本產品兼容，可能在播放畫面時需要人工進行調節。若產生 525 或 625 分級掃描畫面問題，建議將連接切換至“標準定義（STANDARD DEFINITION）”輸出。

(3) 連接至帶內置解碼器的 AV 功放

當播放以杜比數碼或 DTS 錄制的 DVD 碟片時，DVD 播放機數碼音頻輸出口輸出杜比信號或 DTS 比特流信號。如連接杜比數碼或 DTS 解碼器，您會有身臨劇場或音樂廳之感。

至電源插頭

適用於臺灣 R.O.C. 機型

（或）

適用於東南亞機型

DVD-3910

前置揚聲器（左）

中置揚聲器

前置揚聲器（右）

75Ω / ohms 針插式線纜（市售）

（或）

光纖線纜（市售）

數碼音頻輸入接口（同軸）

數碼音頻輸入接口（光學）

低音炮

環繞揚聲器（左）

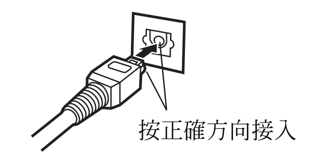
環繞揚聲器（右）

帶內置解碼器的 AV 功放（AV 控制中心）

注意：

- 使用不兼容 DTS 的解碼器等設備播放以 DTS 錄制的 DVD 時，會產生刺耳的雜音或損壞揚聲器。
- 當播放有版權保護的線性 PCM 或打包壓縮 PCM DVD 時，考慮到版權保護因素，對大於 48kHz / 16 位的音源，將無數碼信號輸出。當播放此類音源時，可在“設置（SETUP）”的“音頻設置（AUDIO SETUP）”中將“線性 PCM（LPCM（44.1kHz / 48kHz））”設爲“開啓（ON）”（參閱第 114，117 頁。）或進行模擬連接。（參閱第 90 頁。）
- 當對一不兼容 96kHz/88.2kHz 信號的 AV 功放進行數碼連接時，請在“設置（SETUP）”的“音頻設置（AUDIO SETUP）”中將“線性 PCM（LPCM（44.1kHz / 48kHz））”設爲“開啓（ON）”。（參閱第 114，117 頁。）
- 在超級 CD 中，數碼音頻信號無法從數碼輸出端口輸出。請使用模擬或 IEEE1394 接口。（參閱第 90，93，94 頁。）

■ 用光纖電纜（市售）連接數碼音頻輸入接口（光學）



按正確方向接入

按正確方向接入線纜，並插到底。

■ DVD-3910 數碼音頻輸出口奏出的音樂

比特流輸出狀態

		設置	
		數碼輸出	
	音頻錄音模式	正常	PCM
DVD 視頻	杜比數碼	杜比數碼比特流	2 聲道 PCM （48 kHz / 16 位）
	DTS	DTS 比特流	2 聲道 PCM （48 kHz / 16 位）

PCM 輸出狀態

			設置		
			線性 PCM 選擇（LPCM SELECT）		
	音頻錄音模式		關閉（OFF）		開啓（ON）
			復制保護開啓（ON）	復制保護關閉（OFF）	
DVD 視頻	線性PCM	48 kHz / 16 ~ 24 位	無輸出數據（*1）	48 kHz / 16 ~ 24 位 PCM	48 kHz / 16 位 PCM
		96 kHz / 16 ~ 24 位	無輸出數據	96 kHz / 16 ~ 24 位 PCM	48 kHz / 16 位 PCM
DVD 音頻	線性 PCM 或 打包壓縮 PCM	44.1 kHz / 16 ~ 24 位	無輸出數據（*2）	44.1 kHz / 16 ~ 24 位 PCM	44.1 kHz / 16 位 PCM
		48 kHz / 16 ~ 24 位	無輸出數據（*1）	48 kHz / 16 ~ 24 位 PCM	48 kHz / 16 位 PCM
		88.2 kHz / 16 ~ 24 位	無輸出數據	88.2 kHz / 16 ~ 24 位 PCM	44.1 kHz / 16 位 PCM
		96 kHz / 16 ~ 24 位	無輸出數據	96 kHz / 16 ~ 24 位 PCM	48 kHz / 16 位 PCM
		176.4 kHz / 16 ~ 24 位	無輸出數據	88.2 kHz / 16 ~ 24 位 PCM	44.1 kHz / 16 位 PCM
		192 kHz / 16 ~ 24 位	無輸出數據	96 kHz / 16 ~ 24 位 PCM	48 kHz / 16 位 PCM
VCD	MPEG 1		44.1 kHz / 16 位 PCM		44.1 kHz / 16 位 PCM
音樂 CD	44.1 kHz / 16 位線性 PCM		44.1 kHz / 16 位 PCM		44.1 kHz / 16 位 PCM
MP3 CD	MP3（MPEG-1 音頻層 3）		44.1，48 kHz / 16 位 PCM		44.1，48 kHz / 16 位 PCM
WMA CD	WMA（Windows 媒體音樂）		44.1，48 kHz / 16 位 PCM		44.1，48 kHz / 16 位 PCM
超級 CD	DSD（直接位元流數位）		無輸出數據（*3）		無輸出數據（*3）

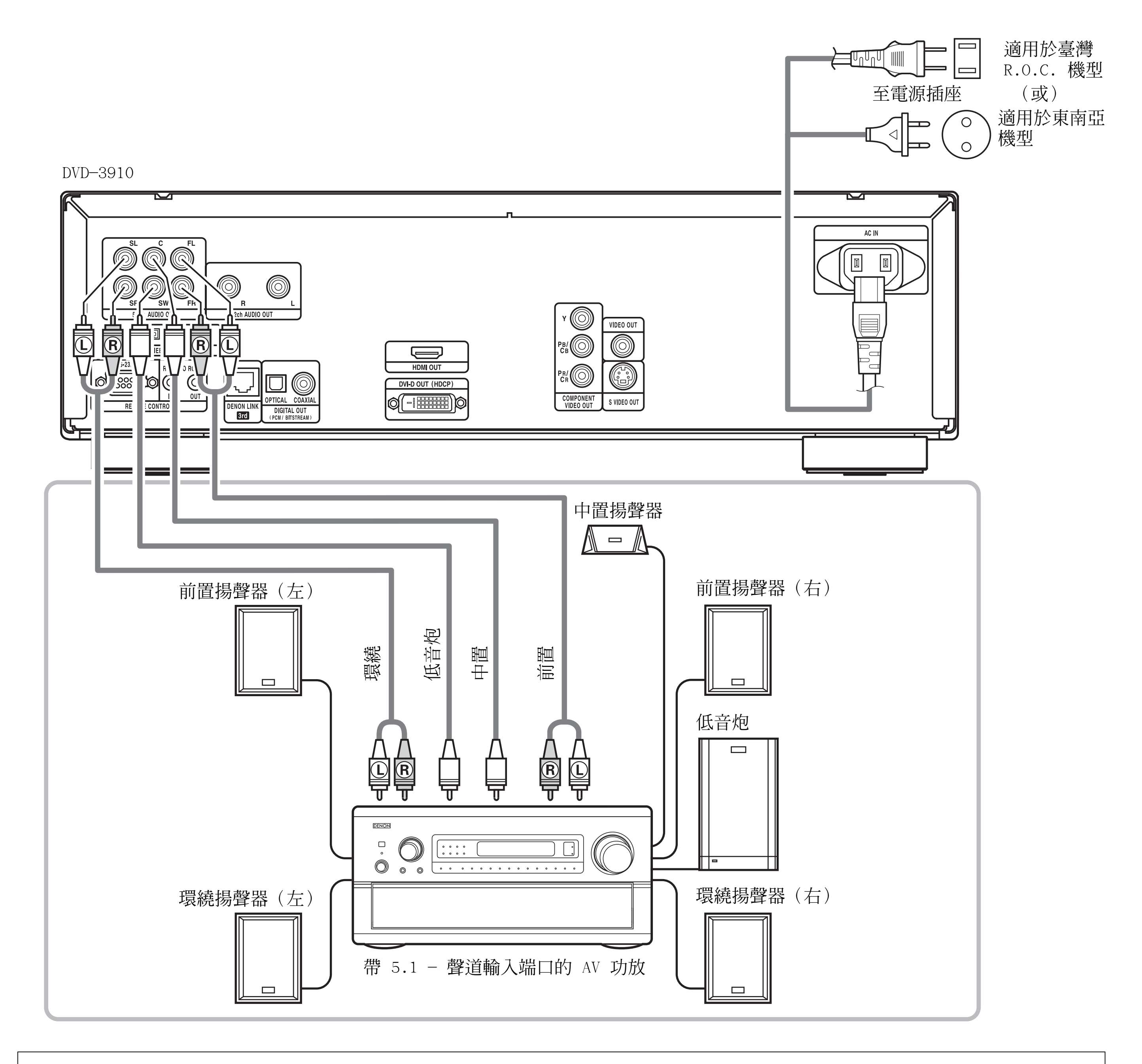
*1 僅輸出 48 kHz / 16 位的音源。
*2 僅輸出 44.1 kHz / 16 位的音源。
*3 CD 層播放時輸出 44.1 kHz / 16 位 PCM 信號。

- 對於多重聲道 PCM 音源，將向下混合至 2 聲道。（對於無法進行向下混合的音源，僅輸出前左及前右聲道。）
- 在純直入模式（PURE DIRECT MODE）下選擇“數碼輸出（DIGITAL OUT）：關閉（OFF）”是，數碼音頻輸出端無法輸出數碼信號。
- 比特流信號是被壓縮並轉化爲數碼格式的信號。其被解碼器解碼爲多重聲道音頻信號（如 5.1 聲道等）。
- 線性 PCM 音頻信號是用於音樂 CD 的錄音格式。
  以 44.1 kHz / 16 位錄制信號制成音樂 CD 時，DVD 是以 44.1 kHz / 16 位到192 kHz / 24 位錄制的，比一般音樂 CD 有更好的音質。
- 打包壓縮 PCM 信號是將 PCM 信號進行高音質地壓縮，並可以在毫無數據損失的情況下進行解壓縮。

（4）連接一基本 5.1 聲道環繞繫統

DVD-3910 可輸出模擬 5.1-聲道音頻信號。

當連接一配備模擬 5.1-聲道音頻輸入端口的 AV 功放時，可播放在打包壓縮 PCM 模式下錄制的多重聲道音頻信號和多重聲道超級 CD。



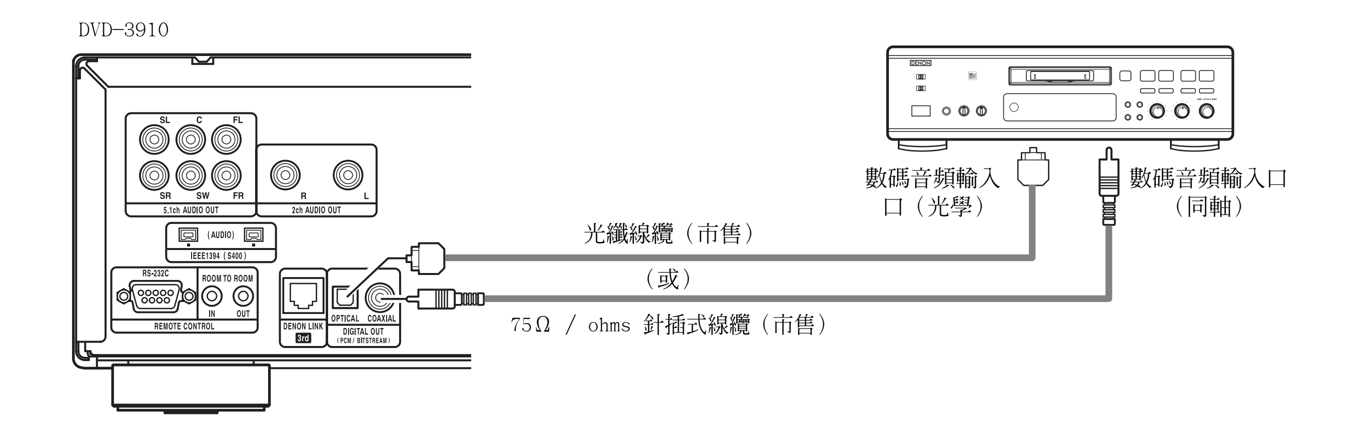
注意：

- 對於多重聲道連接，請在“設置（SETUP）”的“音頻設置（AUDIO SETUP）”中將“音頻聲道（AUDIO CHANNEL）”設爲“多重聲道（MULTI CHANNEL）”，且進行“揚聲器配置（SPEAKER CONFIGURATION）”，“聲道電平（CHANNEL LEVEL）”及“延時（DELAY TIME）”的設置。（參閱第 114 ~ 116 頁。）
- 使用 DVD-3910 時，我們建議在純直入模式（PURE DIRECT MODE）時關閉數碼輸出，僅輸出模擬信號，以便將數碼輸出回路中的干擾降低到最小值，以使您享受高比特，高取樣頻率帶來的高音制多聲道音樂。（參閱第 123，124 頁。）

(5) 連接至數碼錄音機 (MD 錄音機，DAT 卡座等)

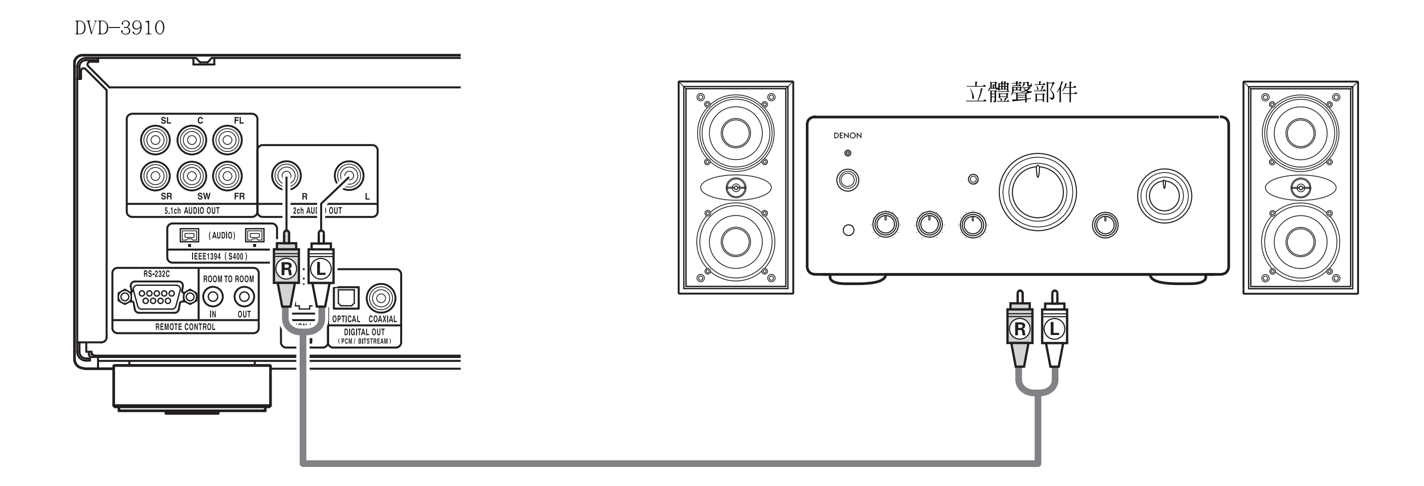
✽ 按以下步驟設置“音頻設置 (AUDIO SETUP)”默認設置。(參閱第 114 ~ 117 頁。)
- “數碼輸出 (DIGITAL OUT)” → “播放控制菜單 (PCM)”
  “線性 PCM 選擇 (LPCM (44.1 kHz/48 kHz))” → “開啓 (ON)”

以不正確設置播放 DVD 時可能會產生雜音並會損壞您的聽力或揚聲器。



注：
- 播放超級 CD 時無法輸出數碼音頻信號。請用模擬連接錄制超級 CD。

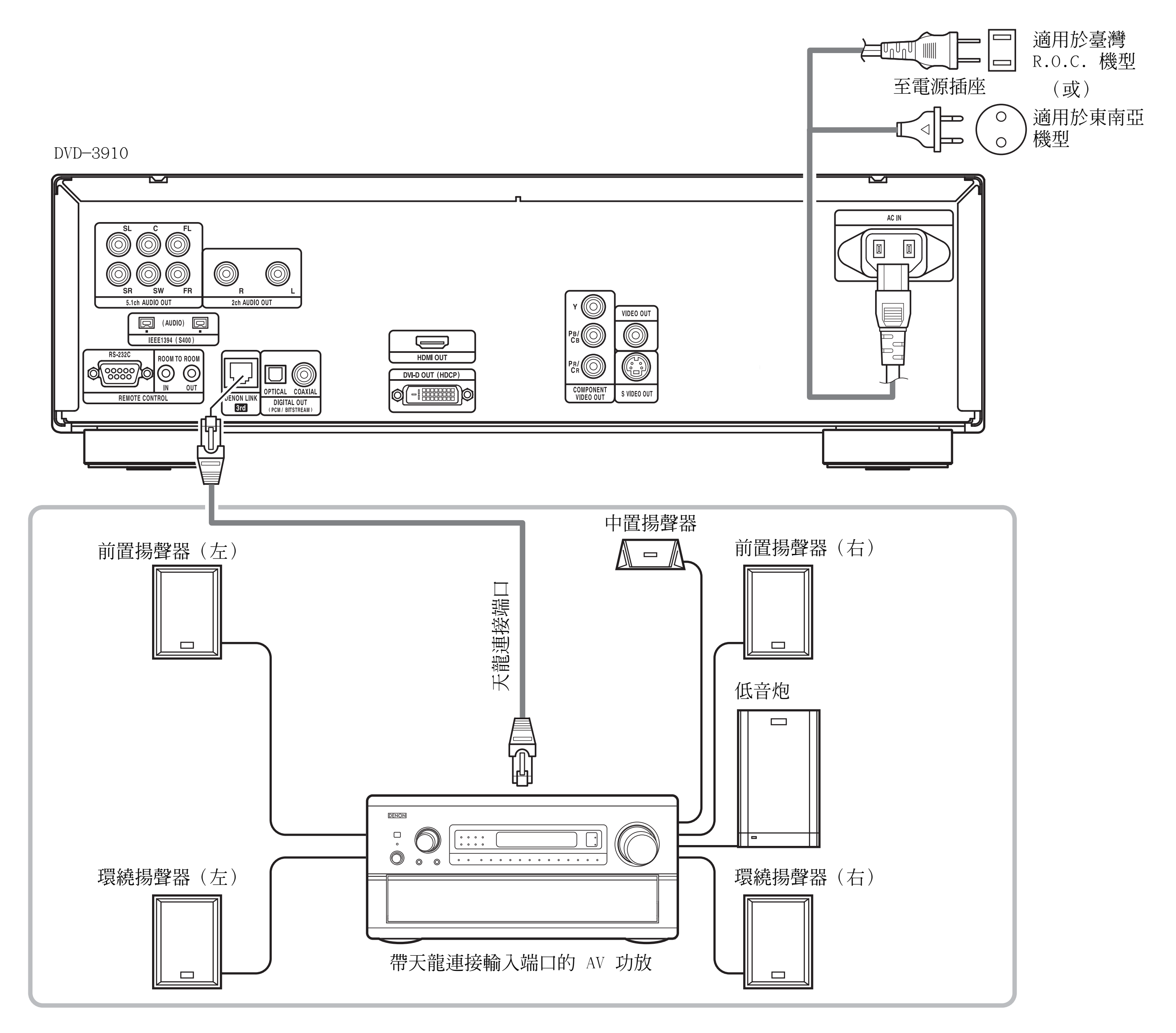
(6) 連接至立體聲部件



注：
- 當使用 5.1 聲道音頻輸出 (AUDIO OUT) 連接一臺 2 聲道音頻立體聲設備時，可在“設置 (SETUP)”的“音頻設置 (AUDIO SETUP)”中將“音頻聲道 (AUDIO CHANNEL)”設爲“2 聲道 SRS 關閉 (2 CH (SRS OFF))”或“2 聲道 SRS 開啓 (2 CH (SRS ON))”(參閱第 114 頁。)。對於多重聲道音源，其信號將被向下混合至 2 聲道 (模擬)。
  (對於無法進行向下混合的音源，僅輸出前左及前右聲道。)

（7）天龍端口連接

通過連接一獨立的可兼容天龍連接端口的 AV 功放，可享受超低數碼信號傳輸損失的高質量數碼影音效果。



■ 天龍連接（DENON LINK）第二版：

- 采用了全新版的天龍連接（DENON LINK），第二版（S.E.），此款產品的音頻信號將以數碼格式從 DVD 播放機傳送至 AV 功放，此信號格式與直接錄制在碟片上的信號質量相當。
  如今對於所有碟片，都可進行 DVD 音頻高音質多聲道信號的數碼傳送。（進行此數碼傳送需要一臺兼容第二版的 DVD 播放機及一臺 AV 功放。）

■ 兼容以往機型：

- 從一臺兼容天龍連接 S.E.（DENON LINK S.E.）（第二版）的 DVD 播放機所輸出的數碼音頻信號，僅可在兼容天龍連接 S.E.（DENON LINK S.E.）（第二版）的AV功放上播放。（當一臺兼容天龍連接 S.E.（DENON LINK S.E.）的 DVD 播放機與一臺不兼容 S.E. 的 AV 功放組合使用時，無法進行天龍連接（DENON LINK）播放。）
- 兼容天龍連接 S.E.（DENON LINK S.E.）的產品，在其背面板的天龍連接（DENON LINK）端口上注有“S.E.”字樣。

■ 天龍連接 S.E.（DENON LINK S.E.）設置：

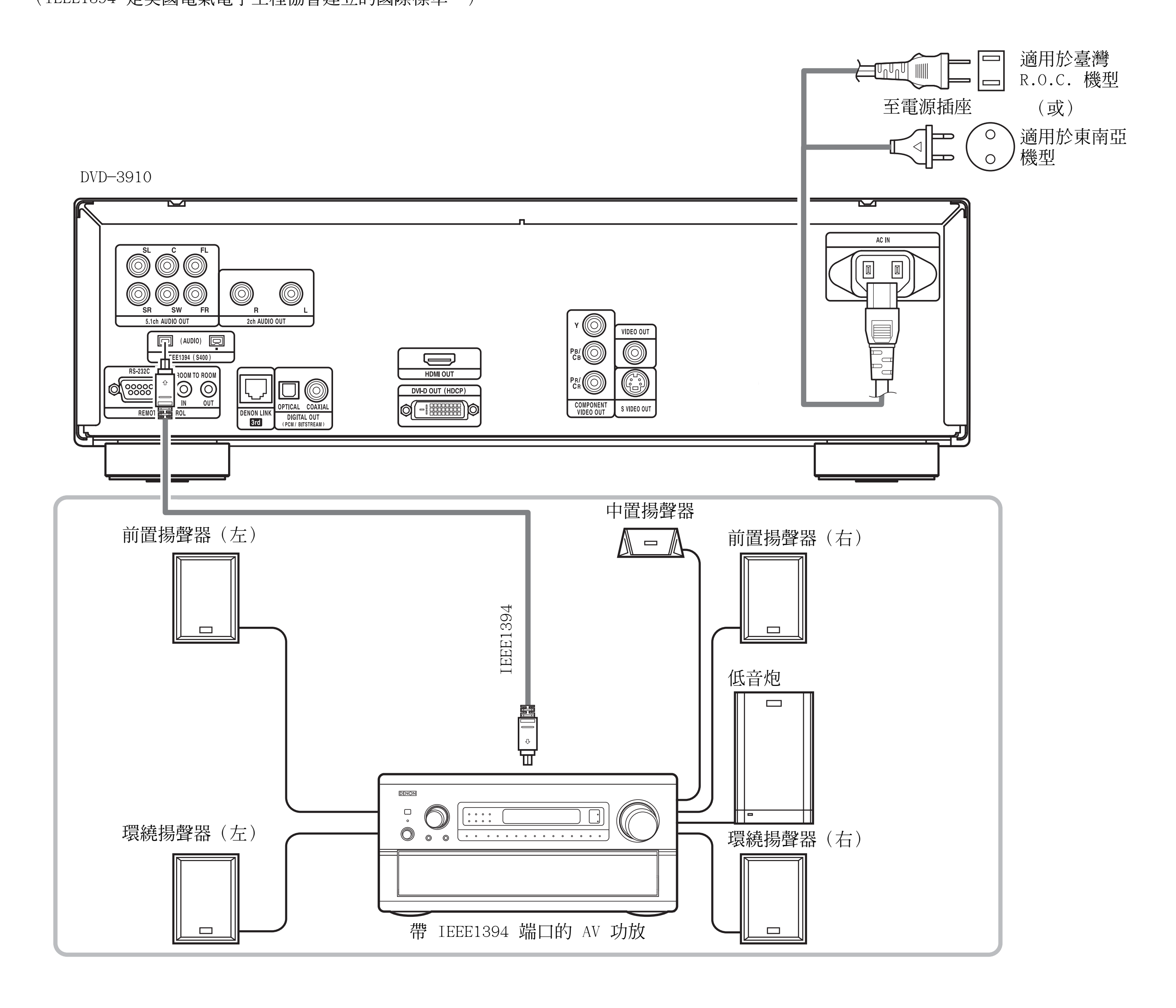
- 在“設置（SETUP）”的“數字接口設置（DIGITAL INTERFACE SETUP）”中將“天龍連接（DENON LINK）”設爲“第二版（2nd）”。（參閱第 108 ~ 111 頁。）
  （若進行天龍連接（DENON LINK），請設爲“第二版（2nd）”。）

注意：

- 當設為天龍連接（DENON　LINK）時，僅從左右端口和前左，前右端口輸出向下混合的音頻信號。欲使用模擬端口，將“天龍連接（DENON LINK）”設為“關閉（OFF）”
- 當使用天龍連接（DENON LINK）連接端口時，將無法在“音頻設置（AUDIO SETUP）”中設定“音頻聲道（AUDIO CHANNEL）”，“數碼輸出（DIGITAL OUT）”，“LPCM（44.1kHz/48kHz）”，“直接音源（SOURCE DIRECT）”和“低音增強（BASS ENHANCER）”，並且無法在“設置（SETUP）”的“數字接口設置（DIGITAL　INTERFACE　SETUP）”中對“HDMI音頻設置（HDMI　AUDIO　SETUP）”和“IEEE1394”進行設置。
  即使將“純直入選擇（PURE DIRECT SELECT）”設為“全部關閉（ALL OFF）”，或選擇任何一種將數碼輸出設為關閉的模式，也無法關閉數碼輸出。（參閱第 123，124 頁。）
- 當使用天龍連接（DENON LINK）端口時，DVD-3910 的揚聲器設置無效。
- 當使用天龍連接第二版（DENON LINK 2nd）連接端口時，無法從天龍連接（DENON LINK）端口輸出超級 CD 信號。請使用模擬音頻輸出端口。

（8）IEEE1394 連接

僅使用一根 IEEE1394 線纜即可在帶 IEEE1394 接口的設備間對下列音頻進行高質量的數碼傳輸：DVD 音頻，到目前為止僅可在模擬連接中以 5 芯音頻線纜連接的 DVD 音頻，或超級 CD 和其他多重聲道音頻。（除了天龍連接（DENON LINK））
（IEEE1394 是美國電氣電子工程協會建立的國際標準。）



注意：
- 請使用隨附的 IEEE1394 線纜。當使用非隨附的 IEEE1394 線纜時，對於 S400 或更好的設備請使用 3.5 米或更短的 4 針 IEEE1394 線纜。
- 從 DVD-3910 的 IEEE1394 接口輸出“IEEE1394 音頻信號（A&M 協議）”而非視頻信號，請連接帶“合成視頻輸出”或“S-視頻輸出”或“視頻輸出”的電視機或顯示器。（參閱第 86，87 頁。）
- 隻有帶 IEEE1394 接口的 AV 設備纔可接收從 DVD-3910 的 IEEE1394 接口輸出的“IEEE1394 音頻信號（A&M 協議）”。無法傳送和接收 DV，個人電腦和 i-link（一種 Sony 的商標）的音頻信號。不正確的連接可能導致失靈。請根據其他設備的操作手冊進行連接。請注意即使設備均支持 IEEE1394 也無法保證互相連接成功。數據和控制信號是否在支持 IEEE1394 的設備之間被傳送和接收取決於每個設備的功能。
- 當使用 IEEE1394 接口連接時，僅需在兩個設備之間連接一根線纜。請勿在兩個設備之間使用兩根線纜連接（循環連接）。如果這樣做，從一個設備輸出的信號將回到相同的設備中導致失靈。
- 當設爲 IEEE1394 時，無法從 DVD-3910 的模擬，數碼，天龍連接（DENON LINK）或 HDMI 接口中輸出音頻信號。
  欲使用模擬，數碼，天龍連接（DENON LINK）或 HDMI 接口，請將 IEEE1394 設爲“關”。
- 當使用 IEEE1394 模式時，無法對“數字接口設置（DIGITAL INTERFACE SETUP）”中的“HDMI 音頻設置（HDMI AUDIO SETUP）”和“設置（SETUP）”-“音頻設置（AUDIO SETUP）”中的“音頻聲道（AUDIO CHANNEL）”，“數碼輸出（DIGITAL OUT）”，“LPCM（44.1 kHz/48 kHz）”，“直接音源（SOURCE DIRECT）”和“低音增強（BASS ENHANCER）”進行設置。
  即使將“純直入選擇（PURE DIRECT SELECT）”設爲“全部關閉（ALL OFF）”，或選擇任何一種將數碼輸出設爲關閉的模式，也無法關閉數碼輸出。（參閱第 123，124 頁。）
- 當使用 IEEE1394 接口連接時，DVD-3910 的揚聲器設置無效。
- 在播放支持 IEEE1394 的設備時，請勿斷開 IEEE1394 線纜與其他設備的連接，連接新的設備和關閉電源。否則會干擾音頻。
- 在支持 IEEE1394 的設備之間，當電源爲候用或關閉時，某些設備將無法轉播數據。請參閱支持 IEEE1394 連接設備的操作手冊。
  本機在候用模式下無法轉播 IEEE1394 數據。
- 在 IEEE1394 接口旁標有支持 IEEE1394 設備的最大數據傳輸速度。IEEE1394 的最大傳輸速度大致被定義爲 100 / 200 / 400Mbps*，200Mbps 的設備標有 S200，400Mbps 的設備標有 S400。本機的最大 IEEE1394 數據傳輸速度爲 400Mbps。當連接 S100 或 S200 的設備時或根據不同設備的規格，實際傳輸速度可能低於 400Mbps。盡量保證相連的設備具有相同的最大數據傳輸速度。

* Mbps（兆 bps）是“兆比特 / 秒”的縮寫，表示一秒鐘可傳輸的數據量。在 400Mbps 下，每秒鐘可傳輸 400 兆比特的數據。

✻ DVD-3910 的 IEEE1394 模式基於 IEEE Std. 1394a - 2000（一種高效能串行總線標準）設計。

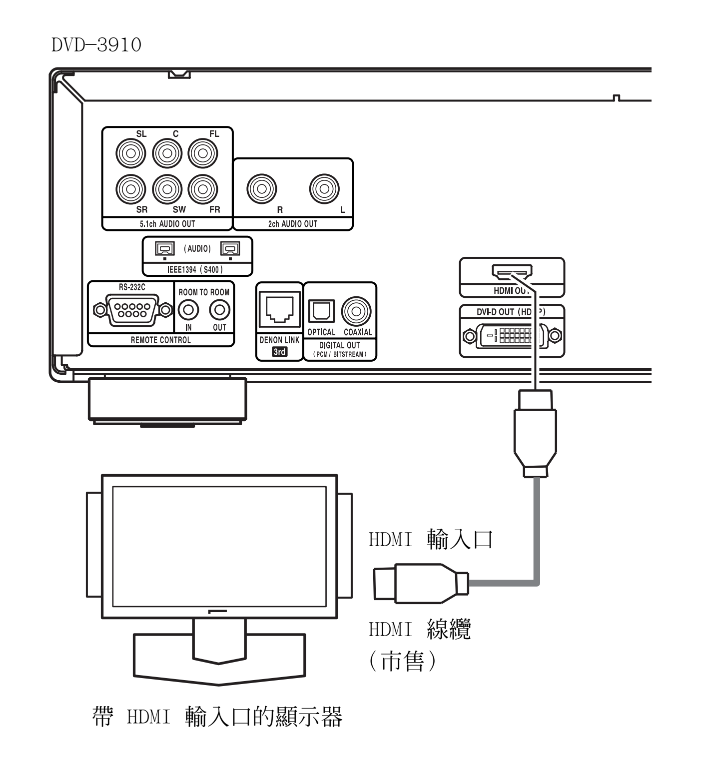
✻ IEEE1394 網絡
可在處理 IEEE1394 音頻信號（A&M 協議）的設備之間使用下列連接方式：
① Daisy Chain 連接方式
使用單根 IEEE1394 線串聯設備。可連接多達 15 個設備。
② Tree（tower）連接方式
使用單根 IEEE1394 線並聯和串聯設備。可連接多達 63 個設備。

版權保護繫統

通過 IEEE1394 連接播放超級 CD 或 DVD 音頻（除了可自由復制的碟片），播放器和功放均需支持稱爲 DTCP（數字傳輸內容保護）的版權保護繫統。DTCP 是一種復制保護技術包含數據加密術和遠程設備認證。本機支持 DTCP。
請參閱您的功放操作手冊了解詳細信息。

(9) HDMI 連接

帶 HDMI(高清晰多媒體接口)端口的設備僅用一根線纜連接(使用市售的線纜)即可對 DVD 視頻和其他音源的數字圖像,DVD 視頻和 DVD 音頻的多聲道音頻進行數字傳輸。



		HDMI 設置		
	音頻錄制格式	2 聲道 (2 CH)	多重常規 (MULTI (NORMAL))	多重 (LPCM) (MULTI (LPCM))
DVD 視頻	杜比數碼	2 聲道 PCM	杜比數碼	多重 PCM
	DTS	2 聲道 PCM	DTS	多重 PCM
DVD 音頻	LPCM 或 PCCM (帶 CPPM)	X	X	X
	LPCM 或 PCCM (不帶 CPPM)	2 聲道 PCM	多重 PCM	多重 PCM
VCD		2 聲道 PCM	2 聲道 PCM	2 聲道 PCM
CD		2 聲道 PCM	2 聲道 PCM	2 聲道 PCM
MP3 CD		2 聲道 PCM	2 聲道 PCM	2 聲道 PCM
WMA CD		2 聲道 PCM	2 聲道 PCM	2 聲道 PCM
超級 CD	多重區域	X	X	X
	立體聲區域	X	X	X
	CD 層	2 聲道 PCM	2 聲道 PCM	2 聲道 PCM

✻ 無法輸出超級 CD 的多重聲道 / 立體聲區域音樂。
✻ 當以 CPPM 播放 DVD 音頻時無法輸出視頻和音頻信號。

HDMI 音頻設置的(HDMI AUDIO SETUP)連接範例

支持 HDMI 的顯示器或投影儀等(支持 2 聲道或無聲道)

- 2 聲道(2CH)..................................當欣賞模擬音頻輸出口,天龍連接(DENON LINK)輸出的多重聲道音頻時,或欣賞 IEEE1394 端口輸出的音頻時請使用該連接。

支持 HDMI / AV功放等(支持 DTS 和杜比數碼的解碼器)

- 多重(MULTI)(常規(NORMAL))........當欣賞 HDMI 端口輸出的多重聲道音頻時,和希望使用 DTS,杜比數碼,或其他相連的解碼器進行處理時請使用該連接。(無需揚聲器和其他設置。)

支持 HDMI 的顯示器(支持 2 或多聲道的音頻輸入)

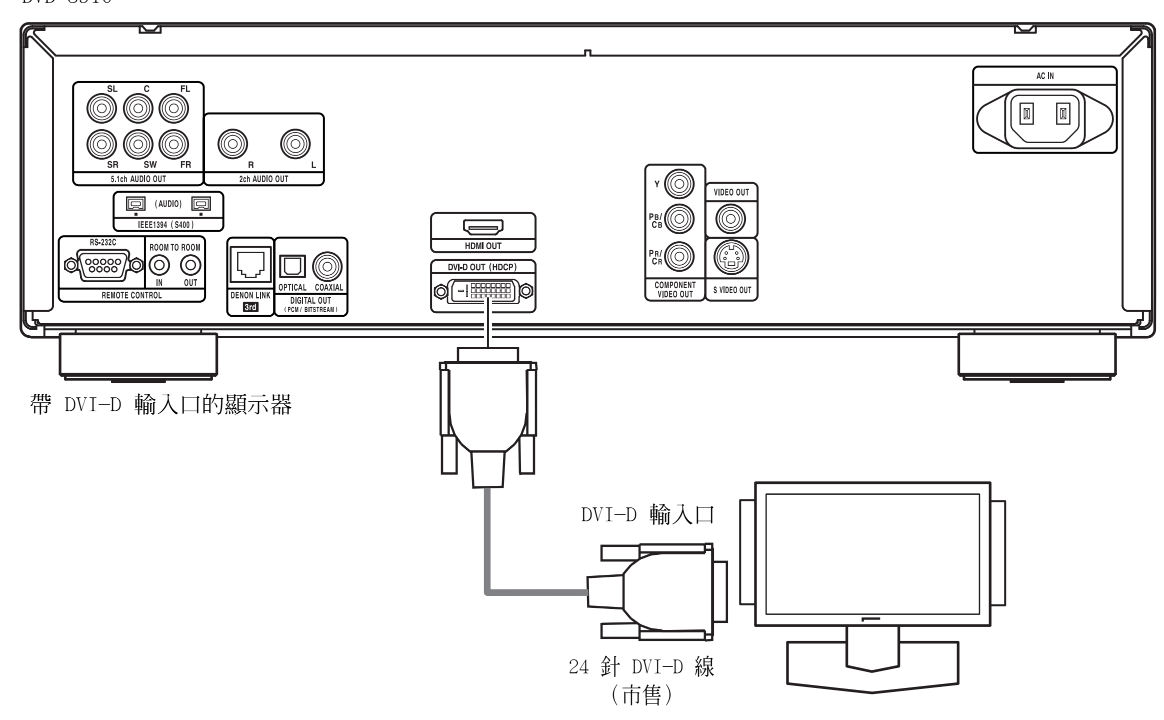
- 多重(MULTI)(LPCM)......................當欣賞 HDMI 端口輸出的多重聲道音頻且連接端口不支持 DTS,杜比數碼,或其他解碼器時請使用該連接。(可進行揚聲器設置。)

注意:

- HDMI 音頻輸出設置允許選擇 2 聲道或多重聲道。當選擇多重常規(MULTI (NORMAL))或多重(LPCM)(MULTI (LPCM))時,從 DVD-3910 的模擬端口(左 / 右和前左 / 前右)輸出向下混合音頻信號。欲從模擬音頻輸出端口輸出多重聲道音頻,將 HDMI 設爲關閉(OFF),或選擇“2 聲道(2 CH)”。
- 當選擇多重常規(MULTI (NORMAL))或多重(LPCM)(MULTI (LPCM))時,無法對“設置(SETUP)”中“數字接口設置(DIGITAL INTERFACE SETUP)”的“IEEE1394”和“天龍連接(DENON LINK)”進行設置。也無法對“音頻設置(AUDIO SETUP)”的“音頻聲道(AUDIO CHANNEL)”,“數碼輸出(DIGITAL OUT)”,“LCPM(44.1kHz / 48kHz)”,“直接音源(SOURCE DIRECT)”或“低音增強(BASS ENHANCER)”進行設置。
  若視頻輸出設爲“關閉(OFF)”或設爲“全部關閉(ALL OFF)”,HDMI 的視頻和音頻輸出將都被關閉。(參閱第 123,124 頁。)
  另請注意在“HDMI 音頻設置(HDMI AUDIO SETUP)”中選擇“多重常規(MULTI (NORMAL))”時,將無法選擇數碼輸出的設置。
- 當選擇多重常規(MULTI (NORMAL))或多重(LPCM)(MULTI (LPCM))時,“音頻設置(AUDIO SETUP)”下的 DVD-3910 揚聲器設置變爲無效。
- 當用 HDMI 連接播放超級 CD 時,在 CD 層無法傳輸音頻。此時請使用模擬連接。
- 在支持 HDMI 的設備中,某些設備可通過 HDMI 端口控制其他設備;然而,其他設備通過 HDMI 端口無法控制 DVD-3910。
- 當使用不支持 HDCP(內容保護功能)的顯示設備時,圖像將無法正確輸出。(參閱兼容設備表。)
- HDMI 端口的音頻信號(包括取樣頻率和位長)可能受所連接設備的限制。

(10) DVI 連接

對帶 DVI（數字可視接口）-D 端口的設備進行連接可傳輸數碼圖像。
✻ 當使用不支持 HDCP（內容保護功能）的顯示設備時，圖像將無法正確輸出。參閱兼容設備表。）
✻ 進行音頻連接還因爲 DVI-D 端口無法輸出音頻信號。
✻ 市售的 DVI 線纜有 24 針和 29 針兩種。DVD-3910 支持 24 針 DVI-D 線纜，29 針 DVI-D 線纜無法連接。



注：HDMI 和 DVI 端口

• 以下圖表表示 DVD-3910 的 HDMI / DVI-D 輸出端口與支持 HDMI / DVI-D 的顯示器之間連接的兼容性。

	帶 HDMI 的顯示器	帶 DVI-D 的顯示器（兼容 HDCP）	帶 DVI-D 的顯示器（不兼容 HDCP）
HDMI 輸出端口	○ 視頻 / 音頻 * 1	○ * 2（僅視頻）	X
DVI-D 輸出端口	○（僅視頻）	○（僅視頻）	X

*1 支持 HDMI 的顯示器中，某些不支持音頻輸出（例如投影儀）。連接這類設備時，無法從 HDMI 輸出端口輸出音頻信號。欲使用模擬音頻輸出，天龍連接（DENON LINK），或 IEEE1394 端口在“設置（SETUP）”的“數字接口設置（DIGITAL INTERFACE SETUP）”中提供音頻輸出，請將“HDMI 音頻設置（HDMI AUDIO SETUP）”設爲“2 聲道（2 CH）”。

*2 當使用一根 HDMI-DVI 轉換線（市售）將兼容 DVI-D 的顯示器（兼容HDCP）與設備的 HDMI 端口相連時，不論“HDMI / DVI選擇（SELECT）”的設置，信號均以數字 RGB 輸出。

版權保護繫統

欲通過 HDMI / DVI-D 連接播放 DVD 視頻或 DVD 音頻的數碼圖像和音樂，播放器和顯示器（或 AV 功放）均需支持稱爲 HDCP（高帶寬數字內容保護繫統）的版權保護繫統。HDCP 是一種復制保護技術包含數據加密術和配套設備認證。DVD-3910 支持 HDCP。請參閱您的顯示器（或 AV 功放）操作手冊了解詳細信息。

5 各部分名稱和功能

（1）前面板

參閱第 3 頁。

❶ 電源開啓 / 候用（ON / STANDBY）鍵
- 按一次鍵設爲候用模式。指示燈變爲紅色。
- 再按一次打開電源。指示燈變爲綠色。

❷ 電源指示燈
- 電源開啓和處於候用模式時該指示燈亮起。
  綠燈： 電源開啓
  紅燈： 處於候用模式

❸ 電源開關
- 按一次鍵打開電源。
- 再按一次設爲“關閉（OFF）”關閉電源。

❹ 天龍連接（DENON LINK）指示燈
- 通過天龍連接（DENON LINK）端口傳輸音頻信號時指示燈亮起。

❺ AL24 輔助（PLUS）指示燈
- 當 DVD 等音頻信號經過 AL24 輔助處理功能進行數碼處理時，該指示燈亮起。

❻ 顯示屏
- 當前播放的碟片信息顯示在顯示屏上。（參閱第 98 頁。）

❼ 遙控感應窗

❽ HDMI / DVI 選擇（HDMI / DVI SELECT）鍵
- 按該鍵對 HDMI 端口或 DVI 端口輸出的視頻信號進行設置。

（參閱第 129 頁。）

→ HDMI Y Cb Cr → HDMI RGB → DVI → HDMI/DVI OFF →

❾ HDMI / DVI 格式（HDMI / DVI FORMAT）鍵
- 按該鍵設置 HDMI 端口或 DVI 端口的視頻信號格式。

（參閱第 129 頁。）

→ 480P/576P → 720P → 1080i →

❿ 視頻模式（VIDEO MODE）鍵
- 使用該鍵立即改變已儲存的視頻信號調整模式。

※ 當電源關閉時本機將恢復至已儲存的設置值。
（該模式的設置値將不保存。）

- 圖像模式（PICTURE MODE）

→ STD → M1 → M2 → M3 → M4 → M5 →

- 分級模式（PROGRE. MODE）（PROGRESSIVE）

→ AUTO1 → AUTO2 → VIDEO1 → VIDEO2 → VIDEO3 →

•TV 類型（TV TYPE）

→ MULTI → NTSC → PAL →

- 壓縮模式（SQUEEZE MODE）

※ 對於交叉圖像無效。（參閱第 113 頁。）

→ OFF → ON →

⓫ 選擇超級 CD（SUPER AUDIO CD）的播放區 / 層（超級 CD 設置（SUPER AUDIO CD SETUP））
- 切換超級 CD 的優先播放區 / 層。
- 多重（Multi）.............當播放超級 CD 時，優先播放多重聲道區。
- 立體聲（STEREO）........當播放超級 CD 時，優先播放立體聲聲道區。
- CD................................當播放超級 CD 時，優先播放 CD 層。

→ MULTI → STEREO → CD →

⓬ 純直入選擇（PURE DIRECT SELECT）鍵
- 按該鍵切換視頻及數碼音頻信號並在顯示屏上顯示所選模式。（參閱第 123，124 頁。）

→ NORMAL → MODE 1 → MODE 2 → ALL OFF →

⓭ DVD / AUDIO / VIDEO 標示
- 播放 DVD 音頻或 DVD 視頻時該指示燈亮起。

⓮ 超級 CD 標示
- 播放超級 CD 時該指示燈亮起。

⓯ 碟盤
- 在此處裝入碟片。（參閱第 101，132 頁。）
- 按開啓 / 關閉（OPEN / CLOSE）鍵 ⓰ 打開和關閉碟盤。
- 按下播放（PLAY）鍵 ⓲ 也可關閉碟盤。

⓰ 開啓 / 關閉（OPEN / CLOSE）鍵（⏏）
- 按該鍵開啓 / 關閉碟盤。（參閱第 101，132 頁。）

⓱ 靜止 / 暫停（STILL / PAUSE）鍵（❚❚）
- 按該鍵暫停畫面或音樂或逐楨播放畫面。

（參閱第 134，135 頁。）

⓲ 播放（PLAY）鍵（▶）
- 按該鍵播放碟片。（參閱第 133 頁。）

⓳ 停止（STOP）鍵（■）
- 按該鍵停止播放碟片。（參閱第 134 頁。）

⓴ 跳播鍵（I◀◀）
- 按該鍵回復到當前曲目（或樂章）的起始處。

（參閱第 135 頁。）
- 再按一次鍵回復到上一首曲目（或樂章）的起始處。

㉑ 跳播鍵（▶▶I）
- 按該鍵前移至下一首曲目（或樂章）的起始處。

（參閱第 135 頁。）

㉒ 慢速 / 搜索組鍵（◀◀ ▶▶）
- 按該鍵設爲慢速或搜索播放模式。

（參閱第 134，135 頁。）

◀◀：反向搜索。
▶▶：正向搜索。

（2）後面板

㉓ **音頻輸出口（5.1 聲道音頻輸出（5.1ch AUDIO OUT））**
- 使用音頻線纜連接。使用市售的針插式線纜。

㉔ **音頻輸出口（2 聲道音頻輸出（2ch AUDIO OUT））**
- 使用隨附的音頻線纜連接。
  多重聲道音樂向下混合並輸出。

㉕ **電源輸入（AC IN）**
- 使用隨附的交流軟線將其連接至交流電源。

㉖ **控制連接器（RS-232C）**
- 用於將來繫統擴展使用的端口。

㉗ **控制輸入連接端口（室至室 / 輸入（ROOM TO ROOM / IN））**
- 該輸入連接端口用於有線遙控。
  若您需要使用此端口，請向 DENON 供貨商咨詢。

㉘ **控制輸出連接端口（室至室 / 輸出（ROOM TO ROOM / OUT））**
- 該輸出連接端口用於有線遙控。
  若您需要使用此端口，請向 DENON 供貨商咨詢。

㉙ **數碼連接端口（IEEE 1394）**
- 該端口用於連接一獨立的配有 IEEE1394 端口的 AV 功放。
- 使用該端口以取得較低數據遺失率的高質量數碼音質。

㉚ **數碼輸出連接端口（天龍連接端口（DENON LINK））**
- 該端口用於連接一獨立的配有天龍連接端口的 AV 功放。
- 使用該端口以取得較低數據遺失率的高質量數碼音質。

㉛ **數碼音頻輸出口（光學（OPTICAL））**
- 用光纖線纜連接。（可在商店買到）
- 該接口輸出數碼數據。

㉜ **數碼音頻輸出口（同軸（COAXIAL））**
- 用數碼音頻軟線連接。用市售的 75Ω / ohms 針插式軟線連接。
- 該接口輸出數碼數據。

㉝ **DVI-D-視頻輸出端口（DVI-D OUT）**
- 用 24 針 DVI-D 連接線連接（可在商店買到）。

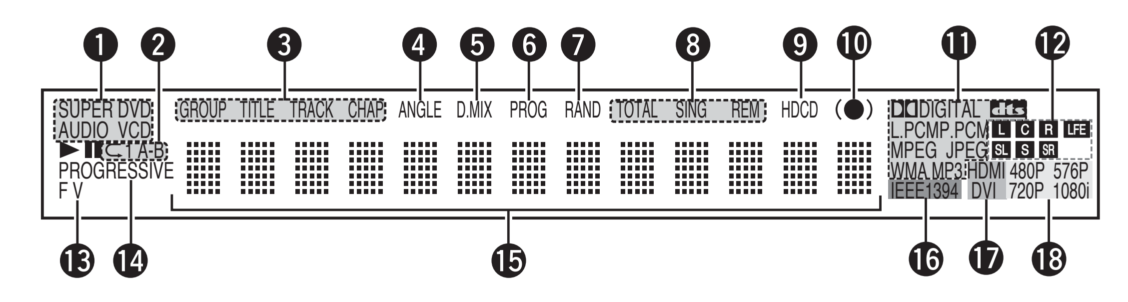
㉞ **HDMI 輸出端口（HDMI）**
- 用 HDMI 連接線連接（可在商店買到）。

㉟ **色差視頻輸出口（色差視頻輸出（COMPONENT VIDEO OUT））**
- 用視頻軟線連接（可在商店買到）。

㊱ **S 端視頻輸出口（S 端視頻輸出（S-VIDEO OUT））**
- 用 S 端視頻軟線連接（可在商店買到）。

㊲ **視頻輸出口（視頻輸出（VIDEO OUT））**
- 用隨附的視頻線纜連接。

（3）顯示屏



❶ 亮起以表示當前所播放的碟片。

❷ 在重播模式下亮起。

❸ 亮起以表示當前所播放碟片的部分名稱。

❹ 播放多重視角碟片時亮起。

❺ 當音頻信號可向下混合時亮起。

❻ 在編序播放模式下亮起。

❼ 隨機播放模式下亮起。

❽ 亮起以表示時間顯示模式。

❾ 播放 HDCD 時亮起。

❿ SRS TruSurround 開啓時亮起。

⓫ 亮起以表示當前播放的音頻格式。

⓬ 亮起以表示當前播放的音頻。

L	：前左聲道	S	：單聲道環繞
C	：中置聲道	SR	：環繞右聲道
R	：前右聲道	LFE	：低頻音效
SL	：環繞左聲道		

⓭ 該指示燈表示當前播放的視頻類型。
F ：影片源
V ：視頻源

⓮ 輸出分級視頻信號時亮起。

⓯ 在播放過程中顯示名稱，曲目號及已播放時間。

⓰ 當從 IEEE1394 端口輸出音頻信號時亮起。

⓱ 當從 HDMI 或 DVI 端口輸出視頻（或音頻）信號時亮起。
（僅 HDMI 或 DVI 之一亮起）
（當檢查 DVI-D 或 HDMI 端口的連接時閃爍。）

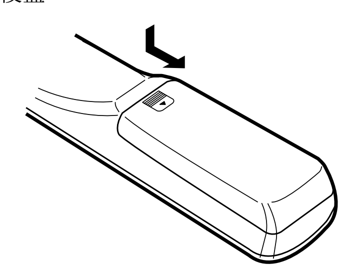
⓲ 亮起以表示當前 HDMI 或 DVI 端口的視頻格式。
（當檢查 DVI-D 或 HDMI 端口的連接時閃爍。）

6 遙控器

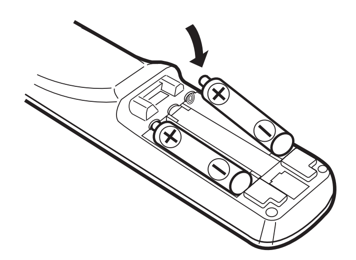
■ DVD-3910 可用隨附遙控器（RC-972）遠距離控制。

（1）裝入電池

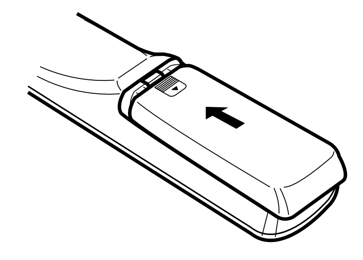
① 移開遙控器後蓋。



② 按指示的標記裝入兩節 R6P / AA 電池。



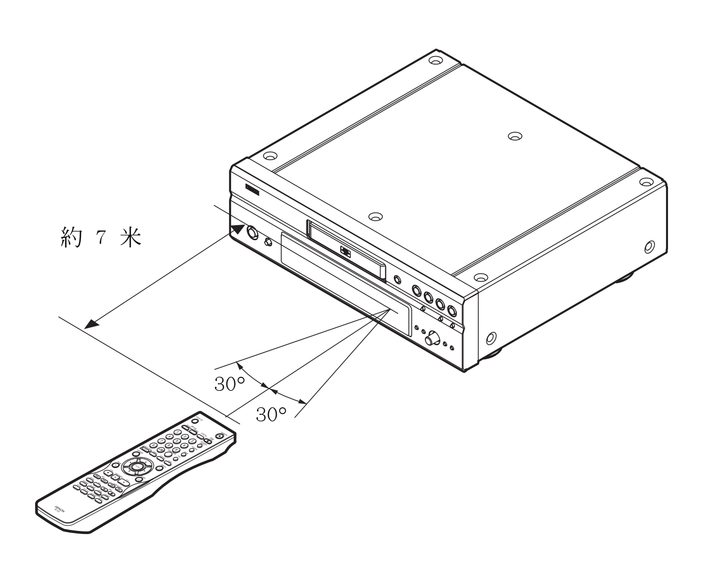
③ 關閉後蓋。



電池使用注意事項：

- 本遙控器使用 R6P / AA 電池。
- 電池使用約一年後更換新電池，視遙控器使用頻率而定。
- 遙控器在近距離無法操作時，即使不足一年，也應更換電池。
- 所附電池僅用於檢驗操作。
  應盡快更換新的電池。
- 裝入電池時，注意極性，按照遙控器電池倉內的 ⊕ 和 ⊖ 標記裝入。
- 爲了防止損壞與電池漏液：
  - 新舊電池切勿同時使用。
  - 不同型號電池切勿同時使用。
  - 防止電池短路，切勿拆卸，加熱，焚燒電池。
- 長時間不用遙控器請取出電池。
- 萬一電池漏液，請擦淨電池倉內的液體，再裝入新電池。

（2）使用遙控器



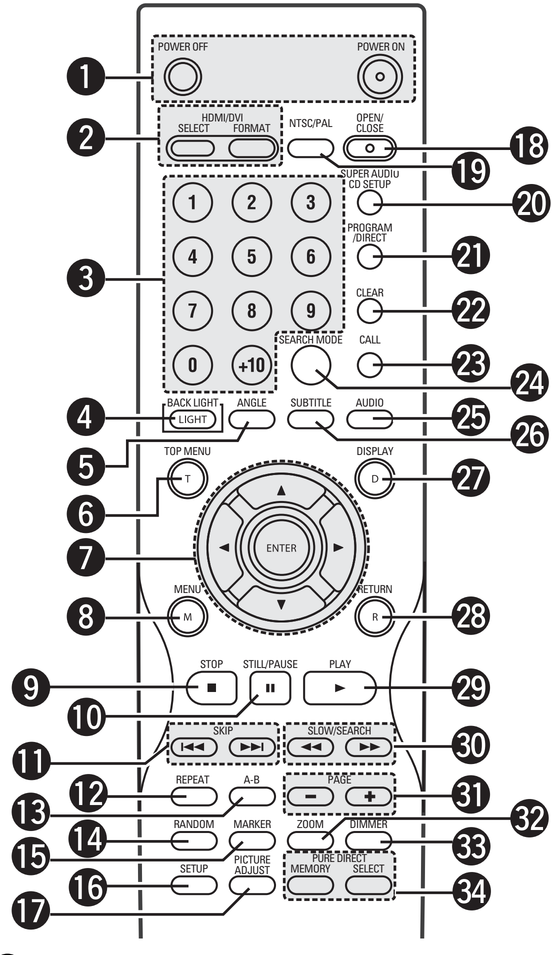
- 操作遙控器時，如圖所示對準遙控感應窗。
- 在直線距離 7 米內遙控可用，若感應窗和遙控器間有障礙物時，距離相應縮短。
- 遙控器操作範圍最大至與感應窗水平傾角 30°。

注意：

- 感應窗處於陽光直射和強光照射下，遙控器可能無法正常操作。
- 切勿同時按主機與遙控器上鍵鈕，否則會引起誤操作。

(3) 遙控器上各組鍵名稱和功能

■ 此處未介紹的按鍵其功能與主機上對應按鍵的功能相同。



❶ **電源開啓 / 電源關閉（POWER ON / POWER OFF）組鍵**
- 按該鍵切換電源開啓及候用模式。

❷ **HDMI / DVI 選擇 / 格式（HDMI / DVI SELECT / FORMAT）組鍵**
- 用該組鍵選擇 HDMI 端口或 DVI 端口，以及視頻信號的格式（480P / 576P，720P，1080i）。

❸ **數字鍵**
- 用這些鍵輸入數字。
  用 +10 鍵輸入 10 或大於 10 的數字。
  例：欲輸入 25

  (+10) → (+10) → (5)

❹ **照明（LIGHT）鍵**
- 按下該鍵以照亮蛋白色組鍵。
  再次按鍵燈光熄滅。

❺ **視角（ANGLE）鍵**
- 按該鍵切換視角。

❻ **頂端菜單（TOP MENU）鍵**
- 顯示儲存在碟片中的頂端菜單。

❼ **遊標組鍵 / 確認（ENTER）鍵**
- 用 ▲ 和 ▼ 組鍵在垂直方向選擇。
  用 ◀ 和 ▶ 組鍵在水平向選擇。
  按下確認（ENTER）鍵選擇由遊標組鍵所選定的項。

❽ **菜單（MENU）鍵**
- 顯示儲存在碟片中的 DVD 菜單。

❾ **停止（STOP）鍵（■）**

❿ **靜止 / 暫停（STILL / PAUSE）鍵（❚❚）**

⓫ **跳播（SKIP）組鍵**

⓬ **重播（REPEAT）鍵**
- 按該鍵重復播放曲目。

⓭ **A－B 重播鍵（A－B）**
- 用該鍵重復播放 2 指定點間部分。

⓮ **隨機（RANDOM）鍵**
- 按該鍵隨機播放 VCD 或 CD 中的曲目。

⓯ **標記（MARKER）鍵**
- 按下該鍵標注您欲再次觀看的片段。

⓰ **設置（SETUP）鍵**
- 按下該鍵顯示默認設置屏。

⓱ **圖像調整（PICTURE ADJUST）鍵**
- 按下該鍵，根據您的品味調節圖像質量。

⓲ **開啓 / 關閉（OPEN / CLOSE）鍵**

⓳ **NTSC / PAL鍵**
- 按該鍵切換視頻輸出制式（NTSC / PAL）。

⓴ **超級 CD 設置（SUPER AUDIO CD SETUP）鍵**

㉑ **編序 / 直入（PROGRAM / DIRECT）鍵**

㉒ **清除（CLEAR）鍵**
- 按該鍵清除輸入的數字。

㉓ **呼叫（CALL）鍵**
- 按該鍵查看編序內容。

㉔ **搜索模式（SEARCH MODE）鍵**
- 按下該鍵改變搜索模式，以便在選擇碟片中的某一部分時，可直接使用數字組鍵查詢曲目組，曲目名，曲目或樂章。

㉕ **音頻（AUDIO）鍵**
- 對 DVD 而言，按該鍵切換音頻語種。對 VCD 而言，按該鍵切換“立體聲（STEREO）”，“左單聲道（MONO LEFT）”和“右單聲道（MONO RIGHT）”聲道。

㉖ **字幕（SUBTITLE）鍵**
- 按該鍵切換 DVD 的字幕語種。

㉗ **顯示（DISPLAY）鍵**
- 按該鍵顯示 ON-SCREEN。

㉘ **返回（RETURN）鍵**
- 按該鍵回到前一菜單屏。

㉙ **播放（PLAY）鍵（▶）**

㉚ **慢速 / 搜索（SLOW / SEARCH）鍵**

㉛ **頁面 – / 頁面 +（PAGE – / PAGE +）組鍵**
- 使用此組鍵在可瀏覽靜止圖像的 DVD 音頻碟片上選擇所需的靜止圖像。

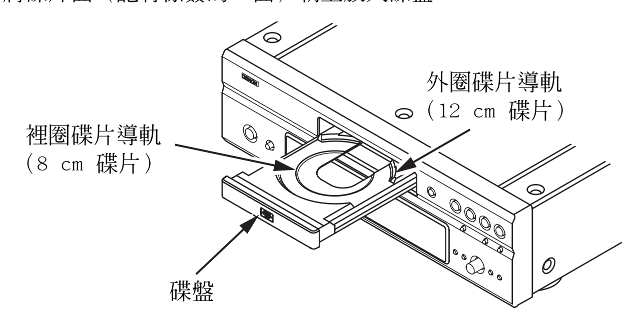
㉜ **縮放（ZOOM）鍵**
- 按該鍵放大圖像。

㉝ **淡出（DIMMER）鍵**
- 使用該鍵調節主機顯示的明暗。
  此操作可從關閉（OFF）至一直開啓進行 4 步調節。

㉞ **純直入記憶 / 選擇（PURE DIRECT MEMORY / SELECT）組鍵**
- 用於進行和選擇各種設置以取得最佳的音效。

7 裝入碟片

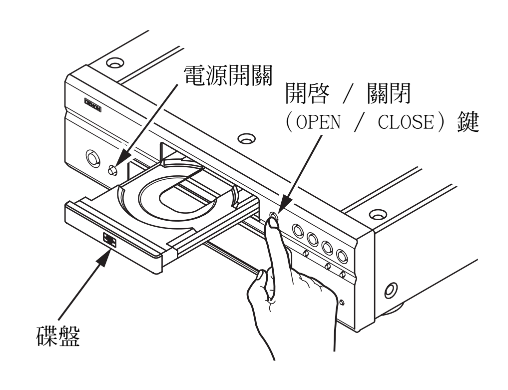
■ 將碟片面（記有標簽的一面）朝上放入碟盤。



注：
- 當 DVD-3910 在播放碟片時請勿移動主機。這麼做有可能會刮花碟片。

（1）開啓關閉碟盤

① 打開電源。
② 按開啓 / 關閉（OPEN / CLOSE）鍵。



注意：
- 在開啓和關閉碟盤前請確認已打開電源。
- 請勿用鉛筆等敲擊鍵鈕。

（2）裝入碟片

- 小心地拿起碟片不要接觸到信息面，並將標簽向上拿起。
- 當碟盤完全開啓後，將碟片放入碟盤。
- 將 12cm 碟片裝入外圈導軌（圖 1），將 8cm 碟片裝入裡圈導軌（圖 2）。
- 按開啓 / 關閉（OPEN / CLOSE）鍵，碟片自動裝入。
- 裝入碟片後按下播放（PLAY）鍵也可使碟盤自動關閉。

圖 1

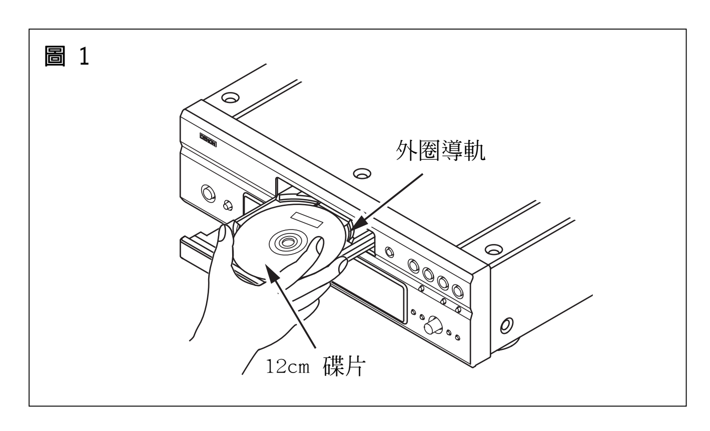
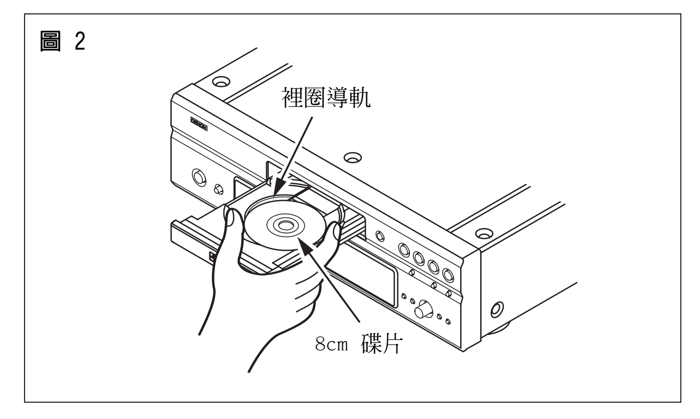


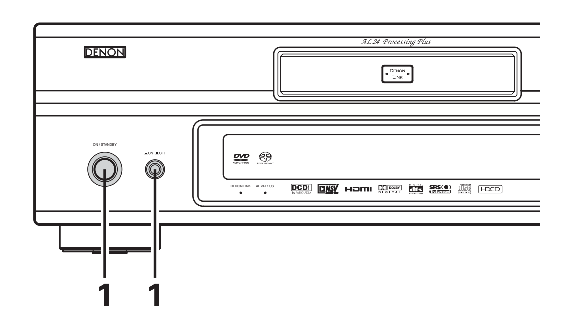
圖 2

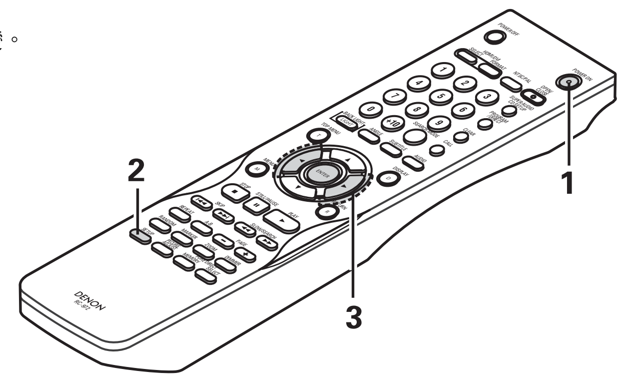


注意：
- 若在關閉時有異物夾入碟盤，請再次按下開啓 / 關閉（OPEN / CLOSE）鍵，托盤會開啓。
- 電源關閉後請勿用手將碟盤按入，這樣做會損壞碟盤。
- 請勿在碟盤內放入其他物件，這樣做會損壞碟盤。

8 修改默認設置

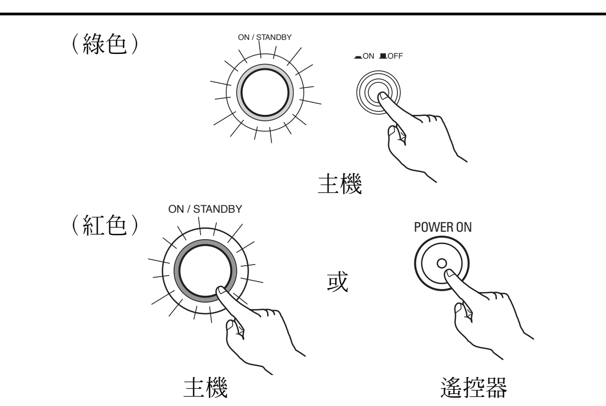
■ 在開始播放前，請先根據您的使用環境進行初始設置。
即使電源關閉，初始設置也將保留，除非它在下次使用時被改變。





1

打開電源。
- 按下電源鍵，電源指示燈亮起變爲綠色且電源開啓。
  再次按下電源鍵，電源關閉且指示燈熄滅。
- 在候用模式下（電源指示燈爲紅色），按主機上的開啓 / 關閉（OPEN / CLOSE）鍵或 RC-972 上的電源開啓（POWER ON）鍵。



2

在停止模式下，按設置（SETUP）鍵。
- 顯示（默認）設置屏幕。

注： 對於某些菜單，其初始設定值可在播放過程中改變。

語種設置（LANGUAGE SETUP）
設置播放碟片時的語種。若碟片不支持該種語言，則設置爲碟片默認語種。
設置默認設置屏幕和電視機屏幕顯示信息（如“PLAY”等）的語種。

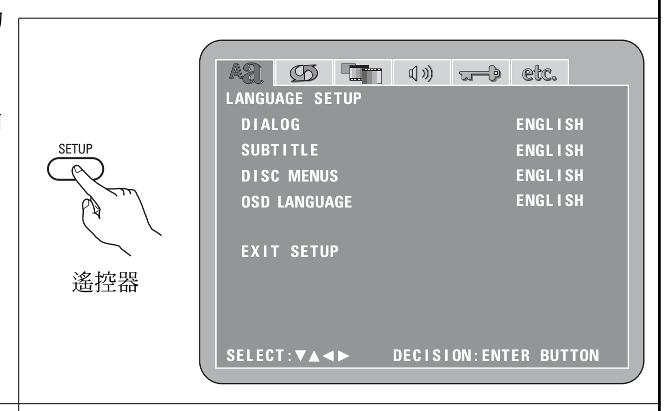
數字接口設置（DIGITAL INTERFACE SETUP）
設置 DVI，HDMI，天龍連接（DENON LINK）和 IEEE1394 端口的輸出。

視頻設置（VIDEO SETUP）
設定 DVD-3910 的屏幕模式。（TV 尺寸和 TV 類型。）

音頻設置（AUDIO SETUP）
設定 DVD-3910 的音頻輸出模式。
（數碼和 LPCM 輸出設置。）

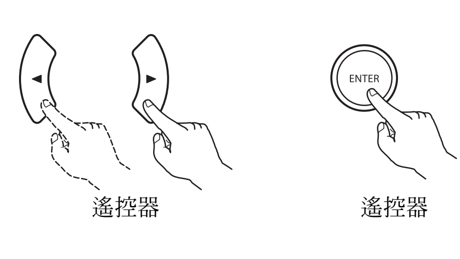
限制等級設置（RATINGS）
使兒童無法觀看成人 DVD。注意若成人 DVD 中沒有錄制限制等級數據，則無法關閉播放。

其他設置（OTHER SETUP）
其中包括對對白（CAPTIONS），牆紙（WALL PAPER）等的特殊設置。



3

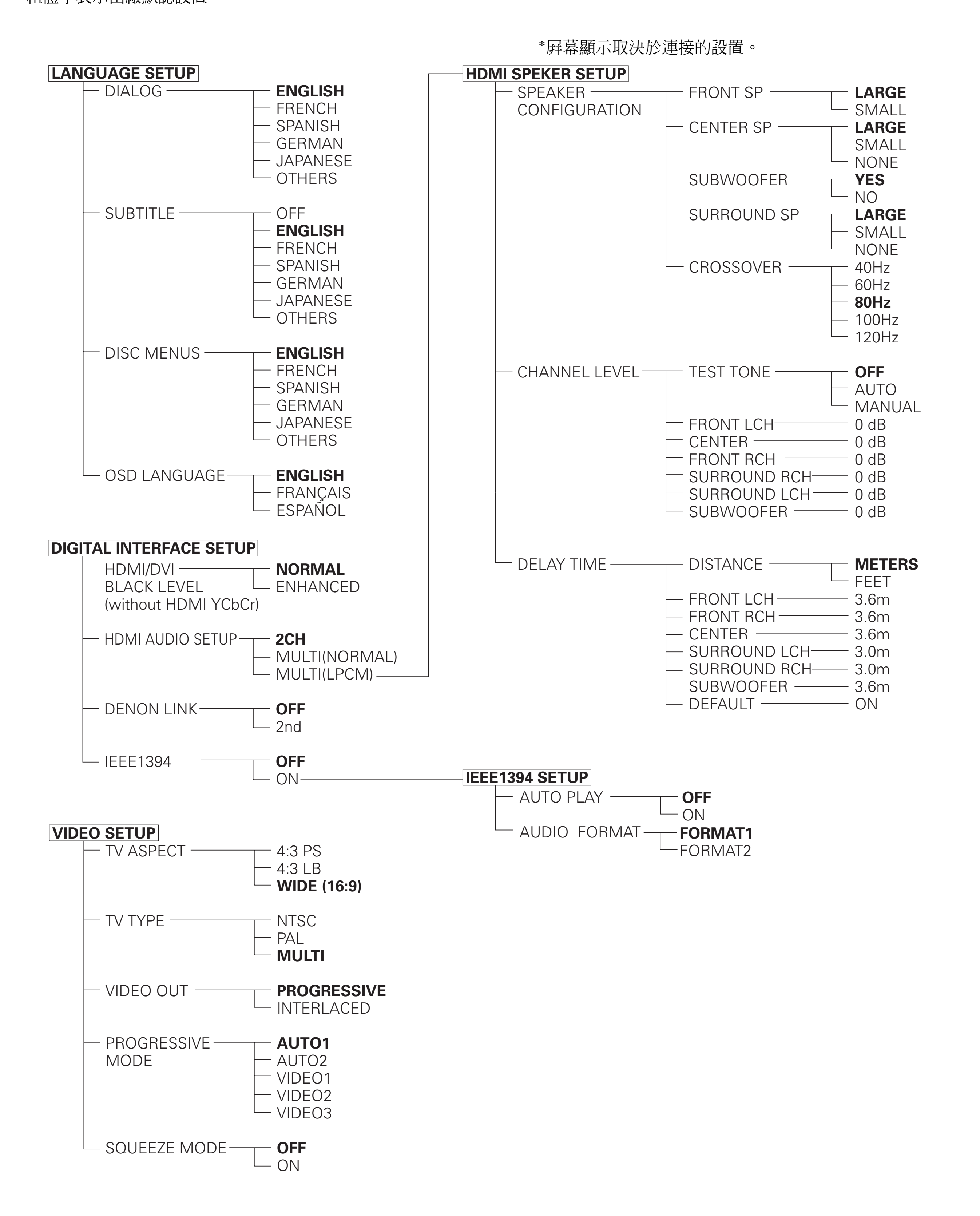
使用光標 ◀ 和 ▶ 鍵選擇所需的設置，然後按確認（ENTER）鍵。
選擇“語種設置（LANGUAGE SETUP）”。（參閱第 105 頁。）
選擇“數字接口設置（DIGITAL INTERFACE SETUP）”。
（參閱第 108 頁。）
選擇“視頻設置（VIDEO SETUP）”。（參閱第 112 頁。）
選擇“音頻設置（AUDIO SETUP）”。（參閱第 114 頁。）
選擇“限制等級設置（RATINGS）”。（參閱第 119 頁。）
選擇“其他設置（OTHER SETUP）”。（參閱第 121 頁。）



✻ 退出設置模式
使用 ▼ 遊標鍵選擇“退出設置（EXIT SETUP）”，然後按下確認（ENTER）鍵。使用遙控器上的設置（SETUP）鍵也可進行退出。

可用的設置項目

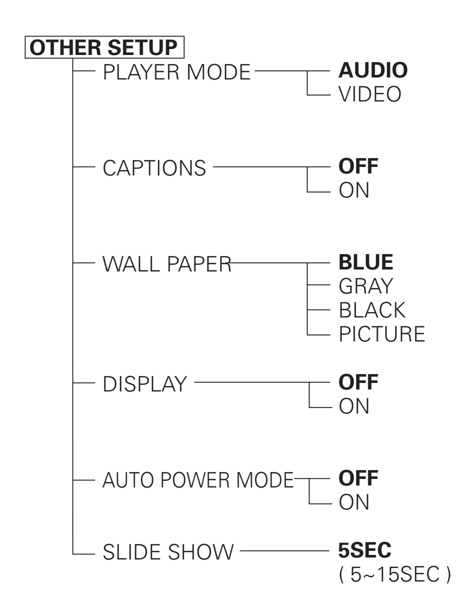
粗體字表示出廠默認設置。



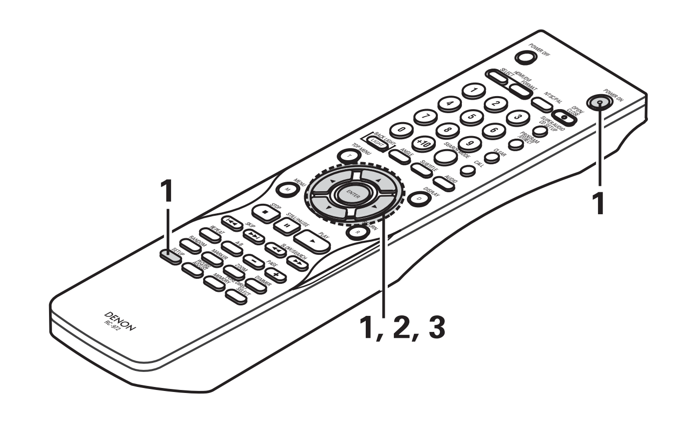
粗體字表示出廠默認設置。

AUDIO SETUP
- AUDIO CHANNEL
  - **MULTI CHANNEL** — **SPEAKER SETUP**
    - SPEAKER CONFIGURATION
      - FRONT SP: **LARGE** / SMALL
      - CENTER SP: **LARGE** / SMALL / NONE
      - SUBWOOFER: **YES** / NO
      - SURROUND SP: **LARGE** / SMALL / NONE
      - CROSSOVER: 40Hz / 60Hz / **80Hz** / 100Hz / 120Hz
    - CHANNEL LEVEL
      - TEST TONE: **OFF** / AUTO / MANUAL
      - FRONT LCH — 0 dB
      - CENTER — 0 dB
      - FRONT RCH — 0 dB
      - SURROUND RCH — 0 dB
      - SURROUND LCH — 0 dB
      - SUBWOOFER — 0 dB
      - SW+10dB: **OFF** / ON
    - DELAY TIME
      - DISTANCE: **METERS** / FEET
      - FRONT LCH — 3.6m
      - FRONT RCH — 3.6m
      - CENTER — 3.6m
      - SURROUND LCH — 3.0m
      - SURROUND RCH — 3.0m
      - SUBWOOFER — 3.6m
      - DEFAULT — ON
  - 2 CH(SRS OFF)
  - 2 CH(SRS ON)
- DIGITAL OUT: **NORMAL** / PCM
- LPCM (44.1 kHz/48 kHz): **OFF** / ON
- SOURCE DIRECT: **OFF** / ON
- BASS ENHANCER: **OFF** / ON
- COMPRESSION: **OFF** / ON
- SACD FILTER: **50kHz** / 100kHz

RATINGS
- RATING LEVEL: 0(LOCK ALL) / 1 / 2 / 3 / 4 / 5 / 6 / 7 / **8(NO LIMIT)**
- PASSWORD — CHANGE
  - OLD PASSWORD
  - NEW PASSWORD
  - COMFIRM PASSWORD



選擇“語種設置（LANGUAGE SETUP)”



1

參閱第 102 頁。

2

使用光標鍵 ▲ 和 ▼ 選擇所需的設置，然後按確認（ENTER）鍵。

對話（DIALOG)
設置揚聲器的輸出語種。

字幕（SUBTITLE)
設置電視上顯示的字幕語種。

碟片菜單（DISC MENUS)
設置碟片上所錄制菜單的語種（頂端菜單等)。

屏幕顯示語言（OSD LANGUAGE)
用於設置默認屏幕及電視屏幕上所顯示信息的語種。（“播放（PLAY)”等）

遙控器　　遙控器

LANGUAGE SETUP
DIALOG　ENGLISH
SUBTITLE　ENGLISH
DISC MENUS　ENGLISH
OSD LANGUAGE　ENGLISH
EXIT SETUP
SELECT:▲▼◄► DECISION:ENTER BUTTON

3

使用光標鍵 ▲ 和 ▼ 選擇所需的設置，然後按確認（ENTER）鍵。

① 選擇“對話（DIALOG)”：

英語（ENGLISH)（出廠默認設置)
選該項用英語播放 DVD。

法語（FRENCH)
選該項用法語播放 DVD。

西班牙語（SPANISH)
選該項用西班牙語播放 DVD。

德語（GERMAN)
選該項用德語播放 DVD。

日語（JAPANESE)
選該項用日語播放 DVD。

其他（OTHERS)
使用數字組鍵輸入語種代碼。
（參閱第 107 頁上的“語種代碼列表”。）

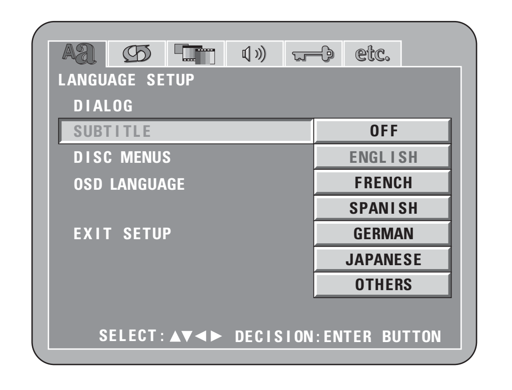
遙控器　　遙控器

LANGUAGE SETUP
DIALOG　ENGLISH
SUBTITLE　FRENCH
DISC MENUS　SPANISH
OSD LANGUAGE　GERMAN
JAPANESE
EXIT SETUP　OTHERS
SELECT:▲▼◄► DECISION:ENTER BUTTON

3

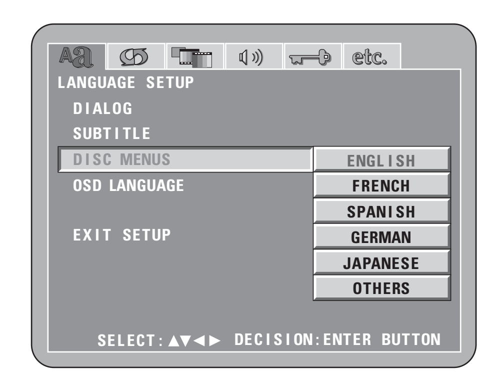
② 選擇“字幕（SUBTITLE）”：

關閉（OFF）
選該項不顯示字幕。（對有些碟片無法取消字幕顯示。）
英語（ENGLISH）（出廠默認設置）
選該項用英語顯示 DVD 字幕。
法語（FRENCH）
選該項用法語顯示 DVD 字幕。
西班牙語（SPANISH）
選該項用西班牙語顯示 DVD 字幕。
德語（GERMAN）
選該項用德語顯示 DVD 字幕。
日語（JAPANESE）
選該項用日語顯示 DVD 字幕。
其他（OTHERS）
使用數字組鍵輸入語種代碼。（參閱第 107 頁上的“語種代碼列表”。）



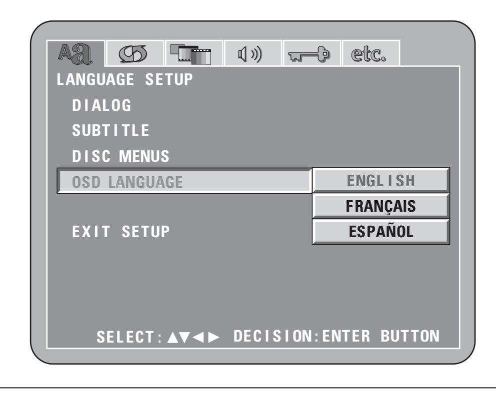
③ 選擇“碟片菜單（DISC MENUS）”：

英語（ENGLISH）（出廠默認設置）
選該項用英語顯示菜單。
法語（FRENCH）
選該項用法語顯示菜單。
西班牙語（SPANISH）
選該項用西班牙語顯示菜單。
德語（GERMAN）
選該項用德語顯示菜單。
日語（JAPANESE）
選該項用日語顯示菜單。
其他（OTHERS）
使用數字組鍵輸入語種代碼。
（參閱第 107 頁上的“語種代碼列表”。）



④ 選擇“屏幕顯示語言（OSD LANGUAGE）”時：

英語（ENGLISH）（出廠默認設置）
選該項設置屏幕顯示語言（OSD LANGUAGE）爲英語。
法語（FRANÇAIS）
選該項設置屏幕顯示語言（OSD LANGUAGE）爲法語。
西班牙語（ESPAÑOL）
選該項設置屏幕顯示語言（OSD LANGUAGE）爲西班牙。

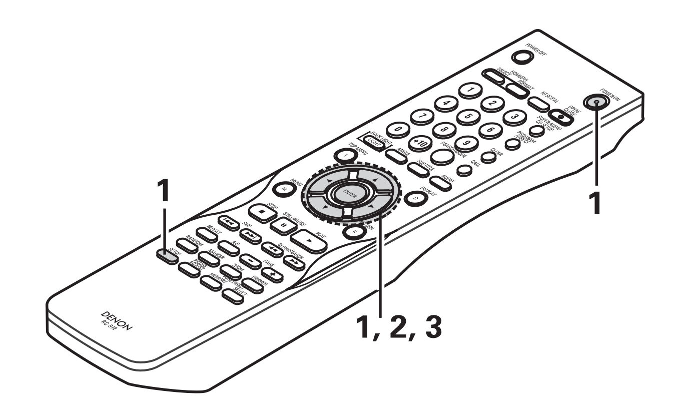


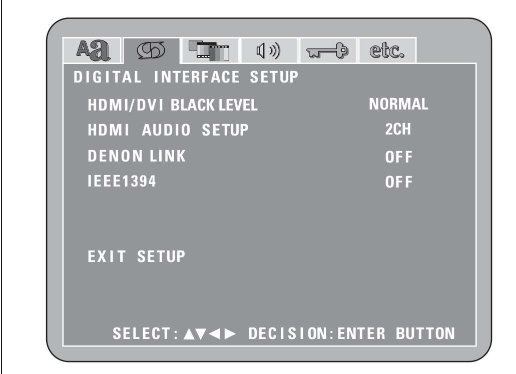
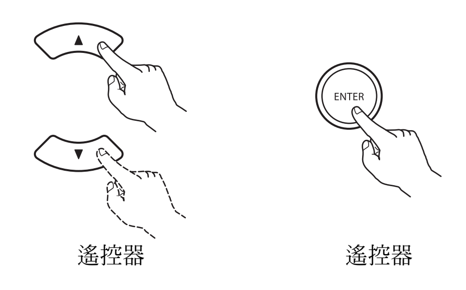
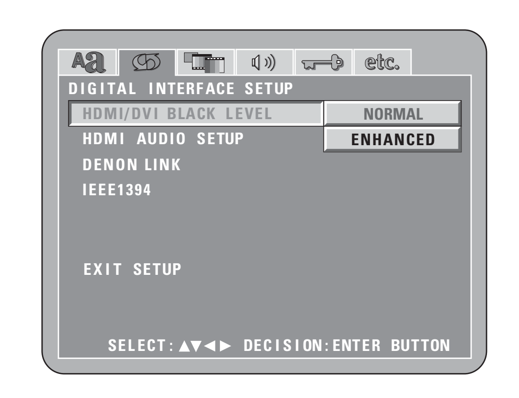
✻ 退出設置模式
使用 ▼ 遊標鍵選擇“退出設置（EXIT SETUP）”，然後按下確認（ENTER）鍵。使用遙控器上的設置（SETUP）鍵也可進行退出。

語種代碼列表

代碼	語種	代碼	語種	代碼	語種	代碼	語種
6565	Afar	7079	Faroese	7678	Lingala	8375	Slovak
6566	Abkhazian	7082	French	7679	Laothian	8376	Slovenian
6570	Afrikaans	7089	Frisian	7684	Lithuanian	8377	Samoan
6577	Ameharic	7165	Irish	7686	Latvian, Lettish	8378	Shona
6582	Arabic	7168	Scots Gaelic	7771	Malagasy	8379	Somali
6583	Assamese	7176	Galician	7773	Maori	8381	Albanian
6588	Aymara	7178	Guarani	7775	Macedonish	8382	Serbian
6590	Azerbaijani	7185	Gujarati	7776	Malayalam	8385	Sundanese
6665	Bashkir	7265	Hausa	7778	Mongolian	8386	Swedish
6669	Byelorussian	7273	Hindi	7779	Moldavian	8387	Swahili
6671	Bulgarian	7282	Croatian	7782	Marathi	8465	Tamil
6672	Bihari	7285	Hungarian	7783	Malay	8469	Telugu
6678	Bengali; Bangla	7289	Armenian	7784	Maltese	8471	Tajik
6679	Tibetan	7365	Interlingua	7789	Burmese	8472	Thai
6682	Breton	7378	Indonesian	7865	Nauru	8473	Tigrinya
6765	Catalan	7383	Icelandic	7869	Nepali	8475	Turkmen
6779	Corsican	7384	Italian	7876	Dutch	8476	Tagalog
6783	Czech	7387	Hebrew	7879	Norwegian	8479	Tonga
6789	Welsh	7465	Japanese	7982	Oriya	8482	Turkish
6865	Danish	7473	Yiddish	8065	Panjabi	8484	Tatar
6869	German	7487	Javanese	8076	Polish	8487	Twi
6890	Bhutani	7565	Georgian	8083	Pashto, Pushto	8575	Ukrainian
6976	Greek	7575	Kazakh	8084	Portuguese	8582	Urdu
6978	English	7576	Greenlandic	8185	Quechua	8590	Uzbek
6979	Esperanto	7577	Cambodian	8277	Rhaeto-Romance	8673	Vietnamese
6983	Spanish	7578	Kannada	8279	Romanian	8679	Volapük
6984	Estonian	7579	Korean	8285	Russian	8779	Wolof
6985	Basque	7583	Kashmiri	8365	Sanskrit	8872	Xhosa
7065	Persian	7585	Kurdish	8368	Sindhi	8979	Yoruba
7073	Finnish	7589	Kirghiz	8372	Serbo-Croatian	9072	Chinese
7074	Fiji	7665	Latin	8373	Singhalese	9085	Zulu

選擇“數字接口設置（DIGITAL INTERFACE SETUP）”



1	參閱第 102 頁。	
2	使用光標鍵 ▲ 和 ▼ 選擇所需的設置，然後按確認（ENTER）鍵。 **HDMI / DVI 黑色基準（HDMI / DVI BLACK LEVEL）** 切換 HDMI 和 DVI-D 端口的數字 RGB 視頻基準（數據範圍）。 **HDMI 音頻設置（HDMI AUDIO SETUP）** 用於調節來自 HDMI 端口的音頻信號。 **天龍連接（DENON LINK）** 用於輸出來自天龍連接（DENON LINK）端口的數碼信號。 **IEEE1394** 用於輸出來自 IEEE1394 端口的數碼信號。	
3	使用光標鍵 ▲ 和 ▼ 選擇所需的設置，然後按確認（ENTER）鍵。 ① 選擇“HDMI / DVI 黑色基準（HDMI / DVI BLACK LEVEL）”： **常規（NORMAL）（出廠默認設置）** 以 16（黑色）至 235（白色）的數字 RGB 視頻基準（數據範圍）輸出來自 HDMI 和 DVI-D 端口的信號。 **增強（ENHANCED）** 通過 0（黑色）至 246（白色）的數字 RGB 視頻基準（數據範圍）輸出來自 HDMI 和 DVI-D 端口的信號。 ✻當連接 HDMI 和 DVI-D 端口時，根據使用的 TV 或顯示器，黑色會突出。此時，應設爲“增強（ENHANCED）”。 ✻當選擇“HDMI / DVI選擇（HDMI / DVI SELECT）”的“HDMI Y Cb Cr”時，變爲無效。	 遙控器　遙控器 

3

② 選擇“HDMI 音頻設置（HDMI AUDIO SETUP)”：

2 聲道（2 CH)（出廠默認設置)

通過向下混合至 2 聲道從 HDMI 端口輸出音頻信號。

多重常規（MULTI（NORMAL))

通過比特流從 HDMI 端口輸出多重聲道音頻信號。

多重（LPCM)（MULTI（LPCM))

通過線性 PCM 從 HDMI 端口輸出多重聲道音頻信號。

◎ 選擇“多重（MULTI)（LPCM)”時，使用光標鍵 ▲ 和 ▼ 選擇所需的設置，然後按確認（ENTER）鍵。

揚聲器配置（SPEAKER CONFIGURATION)

用於選擇不同揚聲器的類型。

聲道電平（CHANNEL LEVEL)

用於調節不同揚聲器的輸出電平。

延時（DELAY TIME)

用於設置不同揚聲器到視聽位的距離。

✻欲退出揚聲器設置（SPEAKER SETUP）模式。
使用 ▼ 遊標鍵選擇“數字接口設置（DIGITAL INTERFACE SETUP)”，然後按確認（ENTER）鍵。

◎ 選擇“揚聲器配置（SPEAKER CONFIGURATION)”時，使用 ▲ 與 ▼ 遊標組鍵選擇欲設置的揚聲器，然後按確認（ENTER）鍵。

• 可以設置前置揚聲器，中置揚聲器，低音炮及環繞揚聲器的類型。使用 ▲ 與 ▼ 遊標組鍵選擇揚聲器類型，然後按確認（ENTER）鍵。

大（LARGE)

當連接一較大揚聲器時選擇此項。

小（SMALL)

當連接一較小揚聲器時選擇此項。

無（NONE)

當未連接揚聲器時選擇此項。

是（YES)

當連接了一低音炮時選擇此項。

否（NO)

未連接低音炮時選擇此項。

• 選擇“交叉（CROSSOVER)”：
40Hz，60Hz，80Hz（出廠默認設置)，100Hz，120Hz，設置交叉頻率。

✻按下返回（RETURN）鍵恢復至“HDMI 揚聲器設置（HDMI SPEAKER SETUP)”菜單。

◎ 當選擇了“聲道電平（CHANNEL LEVEL)”時，使用 ▲ 與 ▼ 遊標組鍵選擇欲調節的揚聲器，然後使用 ◄ 與 ► 遊標組鍵設置電平。

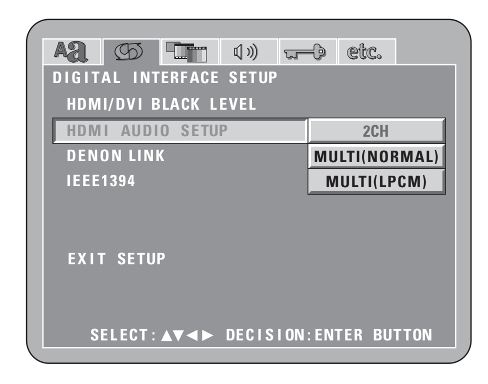
測試音調（TEST TONE)

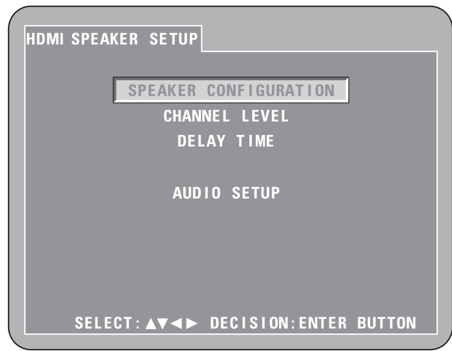
• 使用 ◄ 與 ► 遊標組鍵選擇自動或手動。
調節使從不同揚聲器輸出的測試音調的電平相同。

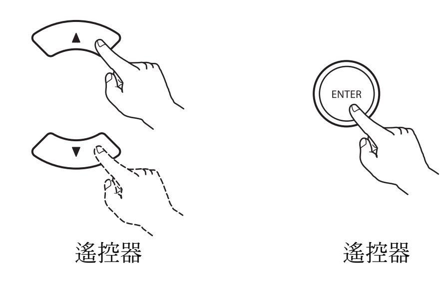
• 可以調節前置揚聲器（左與右聲道)，中置揚聲器，環繞揚聲器（左與右聲道）與低音炮的音量電平輸出。

• 音量電平可在 0 至 –10dB 間以 1dB 爲單位進行調節。

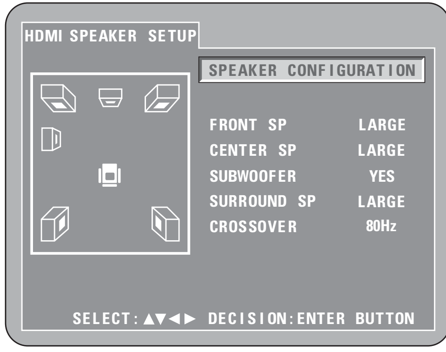
✻按下返回（RETURN）鍵恢復至“HDMI 揚聲器設置（HDMI SPEAKER SETUP)”菜單。



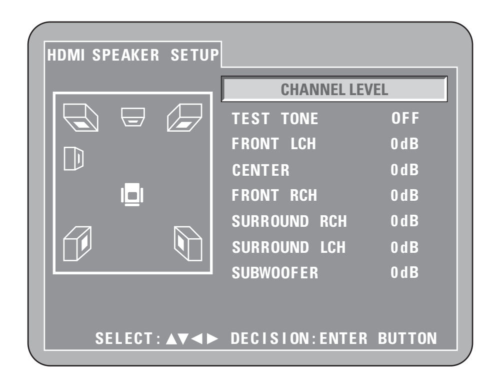




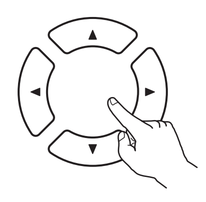
遙控器　　遙控器



＊屏幕顯示根據連接的設備有所不同。
（顯示是否已連接揚聲器。）



3



遙控器

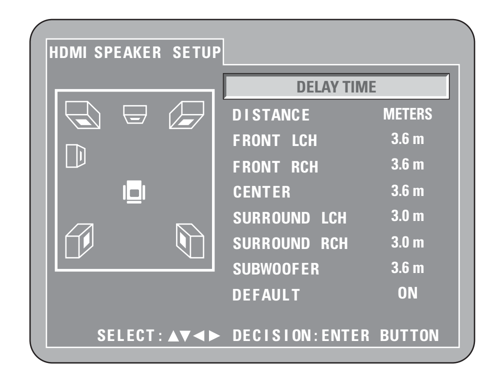


遙控器

◎ 選擇“延時（DELAY TIME）”：

在 5.1 聲道環繞音質情況下，較理想的狀態是使視聽位與除低音炮以外的所有揚聲器之間的距離相等。延時設置可用於使不同揚聲器的聲音同時到達視聽位置。

使用 ▲ 與 ▼ 遊標組鍵選擇設置項，然後按確認（ENTER）鍵。



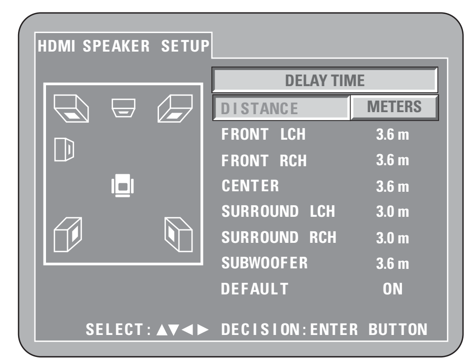
◎ 當選擇“距離（DISTANCE）”時：

米（METERS）（當按下 ◀ 遊標鍵時）：

本機距離單位設爲米（“m”）。

英尺（FEET）（當按下 ▶ 遊標鍵時）：

本機距離單位設爲英尺（“ft”）。

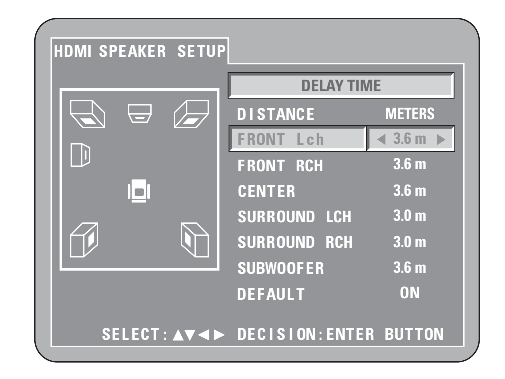


◎ 當選擇“前置左聲道（FRONT LCH）”，“前右聲道（FRONT RCH）”，“中置（CENTER）”，“環繞左聲道（SURROUND LCH）”，“環繞右聲道（SURROUND RCH）”，“低音炮（SUBWOOFER）”時：

使用 ◀ 與 ▶ 遊標組鍵設置視聽位到各揚聲器之間的距離。

✻ 可在 0 至 18 米（0 至 60 英尺）之間範圍內設置距離。

✻ 可有效調節的揚聲器的最大距離差異爲 4.5 米（15 英尺）。



◎ 當選擇“默認（DEFAULT）”時：

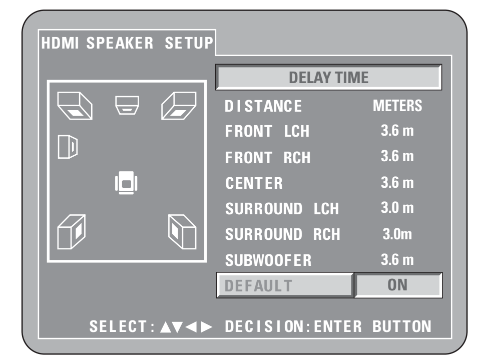
當選擇“默認（DEFAULT）”且按下確認（ENTER）鍵時，所有設置將重置爲其出廠默認時的設置。

✻ 當使用 AV 功放進行數碼連接時，請在此 AV 功放上進行揚聲器的設置。

針對 DVD 音頻碟片，由於碟片設置具有優先權，因此聲音不會依照以上揚聲器模式所設置的效果產生。

✻ 按下返回（RETURN）鍵恢復至“HDMI 揚聲器設置（HDMI SPEAKER SETUP）”菜單。

✻ 斷開 HDMI 連接線時，HDMI 揚聲器設置（HDMI SPEAKER SETUP）中的“揚聲器配置（SPEAKER CONFIGURATION）”，“聲道電平（CHANNEL LEVEL）”和“延時（DELAY TIME）”設置被儲存。



3

③ 當選擇“天龍連接（DENON LINK）”時：

關閉（OFF）（出廠默認設置）

無法從天龍連接（DENON LINK）端口輸出數碼音頻信號。

第二版（2nd）

當用天龍連接第二版（DENON LINK 2nd）連接功放時使用該設置。

※ 若進行天龍連接（DENON LINK），設爲第二版。

※ 當處於天龍連接第二版（DENON LINK 2nd）時，無法從天龍連接（DENON LINK）端口輸出超級 CD 信號。請使用模擬輸出端口或 IEEE1394 連接。

※ 當處於天龍連接（DENON LINK）時，可輸出 192-176kHz / 24 位 2 聲道音源或 96kHz / 24 位 6 聲道音源。

※ 當設爲天龍連接（DENON LINK）時，僅從左，右，前左和前右端口輸出向下混合的音頻信號。

④ 選擇“IEEE1394”時：

關閉（OFF）（出廠默認設置）

無法從 IEEE1394 端口輸出數碼音頻信號。

開啓（ON）

◎ 選擇“開啓（ON）”時：

將進入“自動播放（AUTO PLAY）”和“音頻格式（AUDIO FORMAT）”設置屏幕。使用（▲，▼）遊標組鍵選擇欲設置的項目，然後按確認（ENTER）鍵。

※ 當設爲 IEEE1394 時無音頻信號從模擬端口輸出。

◎ 自動播放

在本機與支持 IEEE1394 的 DENON 設備相連的情況下，當從其他設備自動播放本機時設置該項。

◎ 音頻格式

對來自 IEEE1394 端口的音頻信號設置該格式。

◎ 自動播放設置方法

關閉（OFF）（出廠默認設置）

當不想從其他設備控制本機的操作時設置該項。

開啓（ON）

當欲從其他設備控制本機的操作時設置該項。

◎ 音頻格式設置方法

格式 1（FORMAT 1）（出廠默認設置）

當連接 DENON 設備時設置該項。

格式 2（FORMAT 2）

該模式用於未來繫統擴展。

顯示屏中的 IEEE1394 指示燈

當“IEEE1394”設爲“開啓（ON）”時，該指示燈按以下方式亮起。

IEEE1394

閃爍..................自檢 IEEE1394 連接。

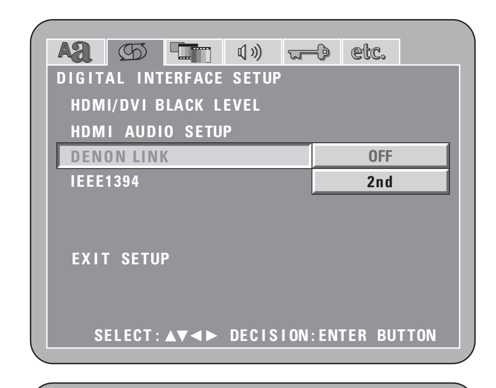
亮起..................IEEE1394 連接成功。

慢速閃爍 ....IEEE1394 連接不成功。（循環連接）確認連接。

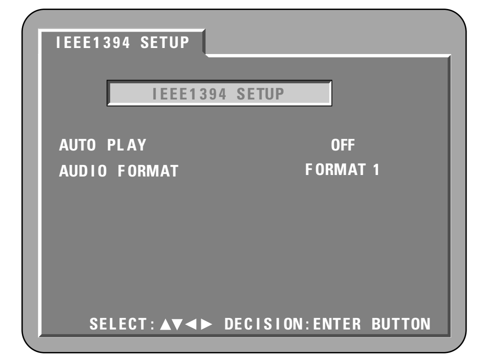
快速閃爍 ....IEEE1394 連接不成功。確認連接。

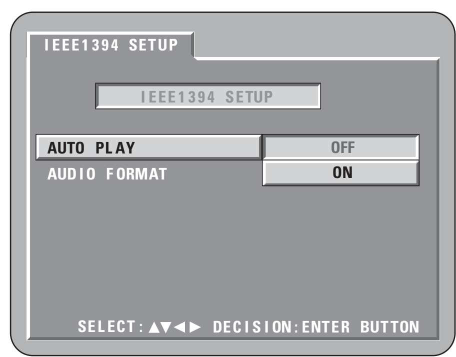
✻ 欲退出設置模式

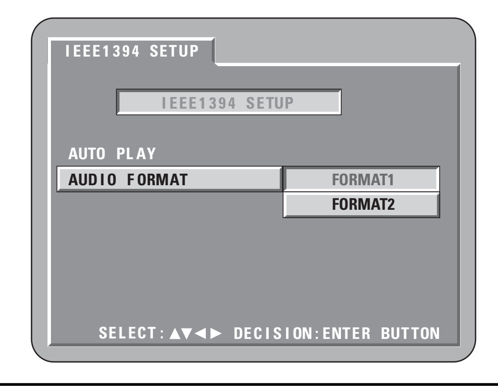
使用 ▼ 遊標鍵選擇“退出設置（EXIT SETUP）”，然後按確認（ENTER）鍵。使用遙控器上的設置（SETUP）鍵也可進行退出。



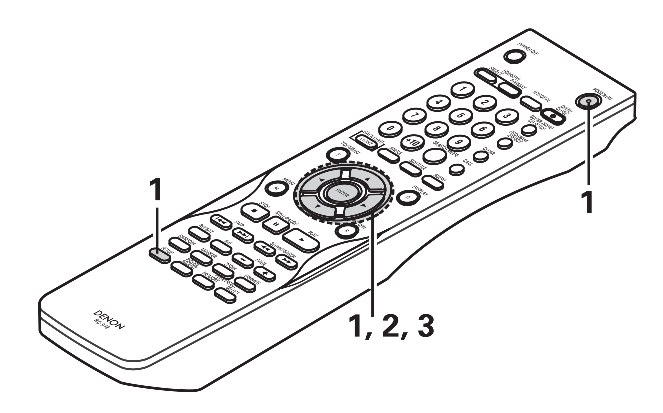








選擇“視頻設置（VIDEO SETUP）”



1	參閱第 102 頁。	
2	使用光標鍵 ▲ 和 ▼ 選擇所需的設置，然後按確認（ENTER）鍵。 **TV 尺寸（TV ASPECT）** 用於設置電視屏形狀。 **TV 類型（TV TYPE）** 設置電視視頻制式（NTSC，PAL 或 MULTI）。 **視頻輸出（VIDEO OUT）** 用於選擇分級畫面輸出或交織畫面輸出。 **分級模式（PROGRESSIVE MODE）** 根據錄制在 DVD 中的畫面設置分級轉換的方法。 **緊縮模式（SQUEEZE MODE）** 可切換輸出的屏幕尺寸。	遙控器　遙控器 VIDEO SETUP TV ASPECT　WIDE(16:9) TV TYPE　MULTI VIDEO OUT　PROGRESSIVE PROGRESSIVE MODE　AUTO1 SQUEEZE MODE　OFF EXIT SETUP SELECT:▲▼◀▶ DECISION:ENTER BUTTON
3	使用光標鍵 ▲ 和 ▼ 選擇所需的設置，然後按確認（ENTER）鍵。 ① 選擇“TV 尺寸（TV ASPECT）”： **4:3 PS** 選擇該項可在 pan&scan 模式下播放寬銀幕 DVD（左右兩邊被切去邊緣部分）。對於 pan&scan 未指定模式的碟片將在 letter box 模式下播放。 **4:3 LB** 選擇該項可在 letter box 模式下播放寬銀幕 DVD（屏幕的頂部及底部出現黑條）。 **WIDE（16:9）（出廠默認設置）** 選擇該項可在全屏模式下播放寬銀幕 DVD。	遙控器　遙控器 VIDEO SETUP TV ASPECT　4:3 PS TV TYPE　4:3 LB VIDEO OUT　WIDE(16:9) PROGRESSIVE MODE SQUEEZE MODE EXIT SETUP SELECT:▲▼◀▶ DECISION:ENTER BUTTON

3

② 選擇“TV 類型（TV TYPE）”：

NTSC

TV 視頻制式為 NTSC 時，選擇該項。
如果選擇 NTSC，輸出制式固定在 NTSC。

PAL

TV 視頻制式為 PAL 時，選擇該項。
如果選擇 PAL，輸出制式固定在 PAL。

MULTI（出廠默認設置）

TV 視頻制式為 NTSC 和 PAL 時，選擇該項。
當播放以 NTSC 格式錄制的碟片時，NTSC 信號從視頻輸出端輸出，
當播放以 PAL 格式錄制的碟片時，PAL 信號從視頻輸出端輸出。

注：
- 若“TV 類型（TV TYPE）”設置為注冊 TV 格式以外的格式時，畫面可能不流暢，且頂部和底部可能被截斷。

③ 選擇“視頻輸出（VIDEO OUT）”：（注）

分級（PROGRESSIVE）（出廠默認設置）

將 DVD-3910 連接至分級型 TV 時，選擇此項。

交織（INTERLACED）

將 DVD-3910 連接至交織型 TV 時，選擇此項。

注：
- 對僅為輸出的部件，可以進行交織畫面輸出及分級畫面輸出的切換。對視頻輸出或 S-視頻輸出端口，無法指定分級畫面輸出。

④ 選擇“分級模式（PROGRESSIVE MODE）”時：

自動 1（AUTO 1）（出廠默認設置）

當錄制在 DVD 中的畫面為電影內容時選擇該項。

自動 2（AUTO 2）

當錄制在 DVD 中的畫面為 30 楨電影內容時選擇該項。

視頻 1 至 3（VIDEO 1 TO 3）

當錄制在 DVD 中的畫面為視頻內容時選擇該項。

視頻 1（VIDEO 1）

選擇該項用於常規視頻內容。

視頻 2（VIDEO 2）

選擇該項用於帶少量移動的視頻內容。

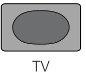
視頻 3（VIDEO 3）

選擇該項用於帶大量移動的視頻內容。

⑤ 選擇“緊縮模式（SQUEEZE MODE）”時：

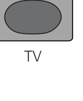
關閉（OFF）（出廠默認設置）

選擇該項不改變屏幕尺寸進行顯示。

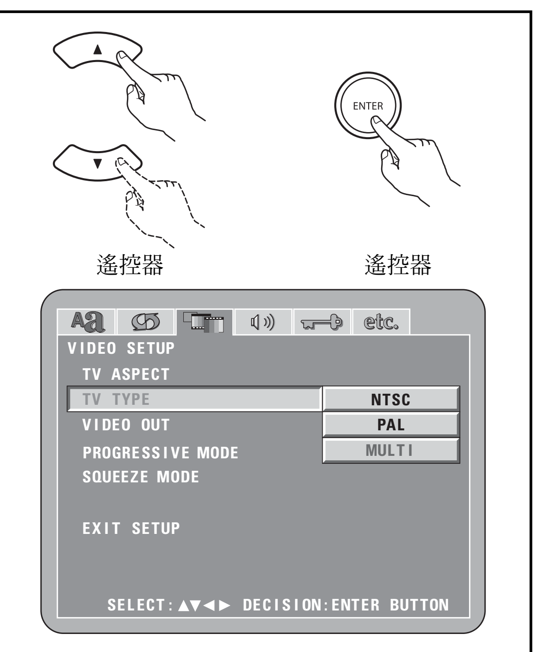

TV

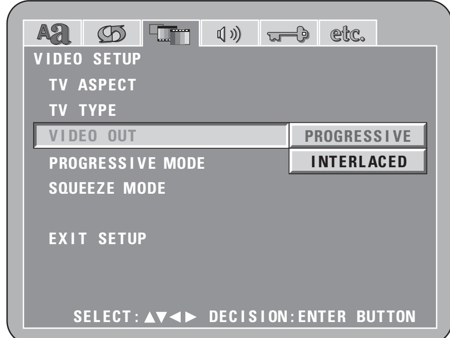
開啓（ON）

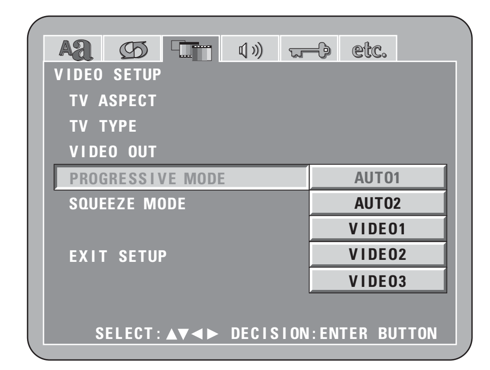
欲在 16:9 電視機的中央顯示 4:3 比例尺寸播放 4:3 畫面時選擇該項。

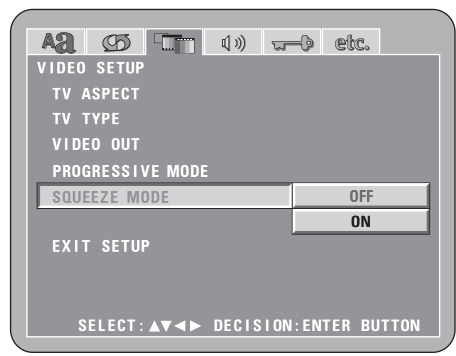

TV

✻ 僅當“TV尺寸（TV ASPECT）”設為“WIDE（16:9）”時有效。
（參閱第 112 頁。）
✻ 對於交織畫面無效。





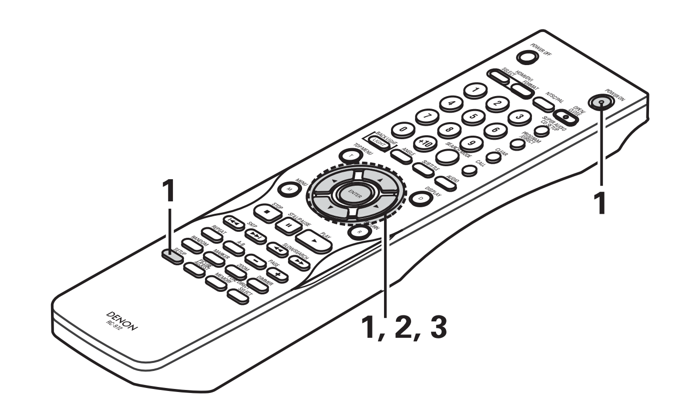




✻ 欲退出設置模式

使用 ▼ 遊標鍵選擇“退出設置（EXIT SETUP）”，然後按確認（ENTER）鍵。使用遙控器上的設置（SETUP）鍵也可進行退出。

選擇“音頻設置（AUDIO SETUP）”



1

參閱第 102 頁。

2

使用光標鍵 ▲ 和 ▼ 選擇所需的設置，然後按確認（ENTER）鍵。

音頻聲道（AUDIO CHANNEL）
用於調節所連接的揚聲器繫統。

數碼輸出（DIGITAL OUT）
用於選擇數碼輸出的信號格式。

LPCM（44.1kHz / 48kHz）
播放以線性 PCM 音頻錄制的 DVD 時使用該項設定數碼音頻輸出。

直接音源（SOURCE DIRECT）
不增加揚聲器設置或對 DVD 音頻或超級 CD 的音頻信號不進行聲道電平處理通過該設置即可輸出音頻。

低音增強（BASS ENHANCER）
當播放 2 聲道的音頻信號時，可設置是否從低音炮輸出音頻信號。
✻ 低音增強（BASS ENHANCER）設置無法用於數碼輸出。

壓縮（COMPRESSION）
當播放碟片時使用該項設置動態輸出範圍。

超級 CD 濾波器（SACD FILTER）
播放超級 CD 時可設置低通濾波器的值。

遙控器　　遙控器

AUDIO SETUP
AUDIO CHANNEL　MULTI CHANNEL
DIGITAL OUT　NORMAL
LPCM(44.1kHz/48kHz)　OFF
SOURCE DIRECT　OFF
BASS ENHANCER　OFF
COMPRESSION　OFF
SACD FILTER　50kHz
EXIT SETUP
SELECT:▲▼◀▶ DECISION:ENTER BUTTON

3

使用光標鍵 ▲ 和 ▼ 選擇所需的設置，然後按確認（ENTER）鍵。

① 選擇“音頻聲道（AUDIO CHANNEL）”時：

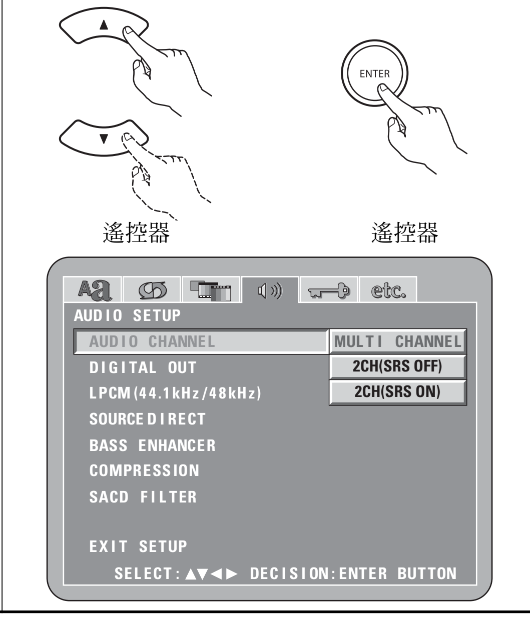
◎ 使用光標鍵 ▲ 和 ▼ 選擇欲設置的項目，然後按確認（ENTER）鍵。

多重聲道（MULTI CHANNEL）（出廠默認設置）
當繫統連接了 3 個或更多的揚聲器時選擇此項。
設爲多重聲道（MULTI CHANNEL）時，可進行揚聲器設定（揚聲器配置（SPEAKER CONFIGURATION）），揚聲器輸出電平調節（聲道電平（CHANNEL LEVEL））及揚聲器距離（延時（DELAY TIME））的設置。

2 聲道 SRS 關閉 （2 CH （SRS OFF））
選擇該項不使用繫統中僅連接 2 個揚聲器的 SRS TruSurround 功能。

2 聲道 SRS 開啓 （2 CH （SRS ON）） **（參閱第 116頁。）**
選擇該項使用繫統中僅連接 2 個揚聲器的 SRS TruSurround 功能。
在該模式下顯示屏中的“(●)”指示燈亮起。

遙控器　　遙控器



3

◎ 選擇“多重聲道（MULTI CHANNEL）”時，使用 ▲ 與 ▼ 遊標組鍵選擇欲設置的項，然後按下確認（ENTER）鍵。

揚聲器配置（SPEAKER CONFIGURATION）

用於選擇不同揚聲器的類型。

聲道電平（CHANNEL LEVEL）

用於調節不同揚聲器的輸出電平。

延時（DELAY TIME）

用於設置不同揚聲器到視聽位的距離。

✻ 欲退出揚聲器設置（SPEAKER SETUP）模式
使用 ▼ 遊標鍵選擇“音頻設置（AUDIO SETUP）”，然後按確認（ENTER）鍵。

✻ 揚聲器配置（SPEAKER CONFIGURATION）設置僅用於模擬輸出。

◎ 選擇“揚聲器配置（SPEAKER CONFIGURATION）”時，使用 ▲ 與 ▼ 遊標組鍵選擇揚聲器類型，然後按下確認（ENTER）鍵。

- 可以設置前置揚聲器，中置揚聲器，低音炮及環繞揚聲器的類型。使用 ▲ 與 ▼ 遊標組鍵選擇揚聲器類型，然後按下確認（ENTER）鍵。

  大（LARGE）

  當連接一較大揚聲器時選擇此項。

  小（SMALL）

  當連接一較小揚聲器時選擇此項。

  無（NONE）

  當未連接揚聲器時選擇此項。

  是（YES）

  當連接了一低音炮時選擇此項。

  否（NO）

  未連接低音炮時選擇此項。

- 選擇“交叉（CROSSOVER）”。
  40Hz，60Hz，80Hz（出廠默認設置），100Hz，120Hz，設置交叉頻率。

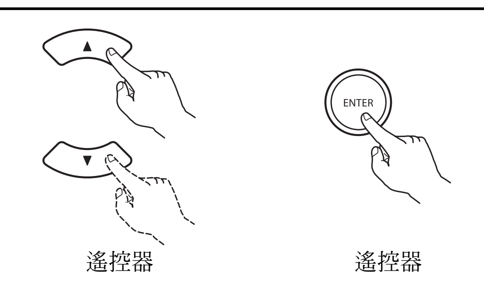
✻ 按下返回（RETURN）鍵恢復至“揚聲器設置（SPEAKER SETUP）”菜單。

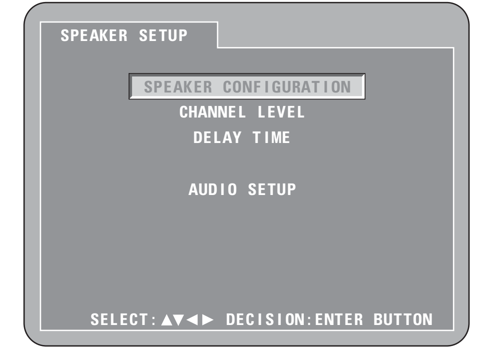
◎ 當選擇了“聲道電平（CHANNEL LEVEL）”時，使用 ▲ 與 ▼ 遊標組鍵選擇欲調節的揚聲器，然後使用 ◀ 與 ▶ 遊標組鍵設置電平。

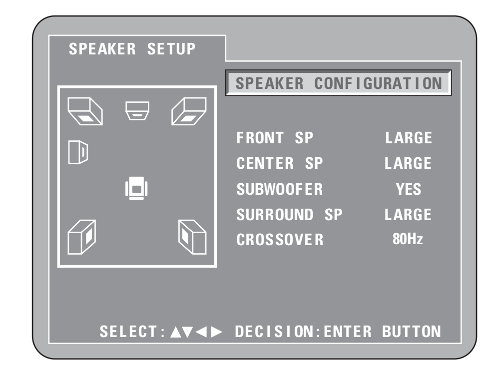
測試音調（TEST TONE）

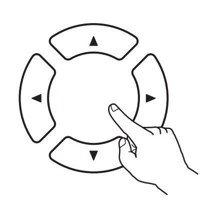
- 使用 ◀ 與 ▶ 遊標組鍵選擇自動或手動。
  調節使從不同揚聲器輸出的測試音調的電平相同。
- 可以調節前置揚聲器（左與右聲道），中置揚聲器，環繞揚聲器（左與右聲道）與低音炮的音量電平輸出。
- 音量電平可在 0 至 –10dB 間以 1dB 爲單位進行調節。
- 設置 SW +10dB 爲“開啓（ON）”從低音炮輸出的音量電平以 10dB 爲單位增加。

✻ 按下返回（RETURN）鍵恢復至“揚聲器設置（SPEAKER SETUP）”菜單。

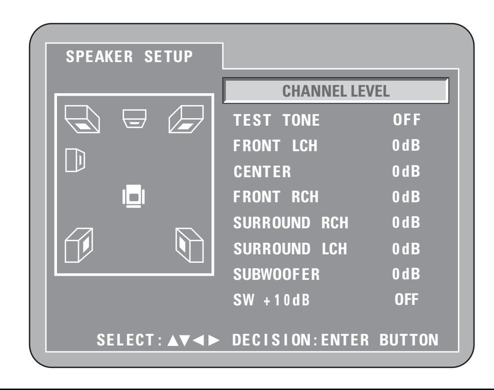








遙控器



3

◎ 選擇“延時（DELAY TIME）”：
在 5.1 聲道環繞音質情況下，較理想的狀態是使視聽位與除低音炮以外的所有揚聲器之間的距離相等。延時設置可用於使不同揚聲器的聲音同時到達視聽位置。

使用 ▲ 與 ▼ 遊標組鍵選擇設置項，然後按確認（ENTER）鍵。

- 當選擇“距離（DISTANCE）”時：
  米（METERS）（當按下 ◄ 遊標鍵時）：
  本機距離單位設爲米（“m”）。
  英尺（FEET）（當按下 ► 遊標鍵時）：
  本機距離單位設爲英尺（“ft”）。

- 當選擇“前置左聲道（FRONT LCH）”，“前右聲道（FRONT RCH）”，“中置（CENTER）”，“環繞左聲道（SURROUND LCH）”，“環繞右聲道（SURROUND RCH）”，“低音炮（SUBWOOFER）”時：
  使用 ◄ 與 ► 遊標組鍵設置視聽位到各揚聲器之間的距離。
  ✻ 可在 0 至 18 米（0 至 60 英尺）之間範圍內設置距離（60 英尺）。
  ✻ 可有效調節的揚聲器的最大距離差異爲 4.5 米（15 英尺）。

- 當選擇“默認（DEFAULT）”時：
  當選擇“默認（DEFAULT）”且按下確認（ENTER）鍵時，所有設置將重置爲其出廠默認時的設置。

✻ 當使用 AV 功放進行數碼連接時，請在此 AV 功放上進行揚聲器的設置。
針對 DVD 音頻碟片，由於碟片設置具有優先權，因此聲音不會依照以上揚聲器模式所設置的效果產生。

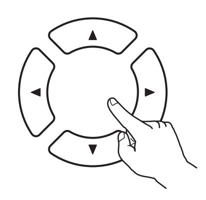
✻ 按下返回（RETURN）鍵恢復至“揚聲器設置（SPEAKER SETUP）”菜單。

SRS TruSurround 功能（僅限於 DVD 視頻和 VCD）

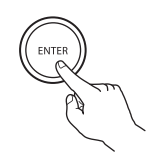
■ 僅使用兩個前置立體聲揚聲器即可再造通常由五個揚聲器產生的多重聲道音頻。沒有多揚聲器繫統的強烈方向感特性，產生的聲音十分自然就好像盤旋在頭頂上方。

注意：
- 該功能僅對 DVD 視頻和 VCD 有效。
- 請注意對於某些碟片效果很弱或幾乎無效。
- 關閉其他環繞功能（TV 環繞模式等）。

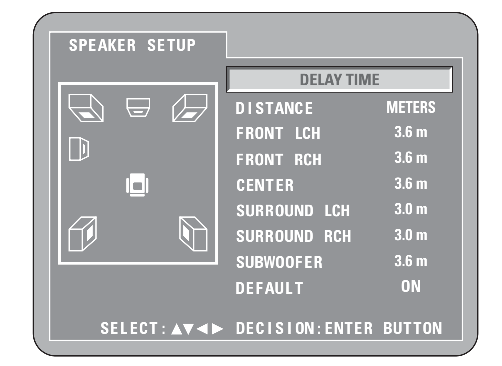
✻ SRS(●) TruSurround 是 SRS Labs, Inc. 的商標。TruSurround 技術是 SRS Labs, Inc. 聯合授權的。

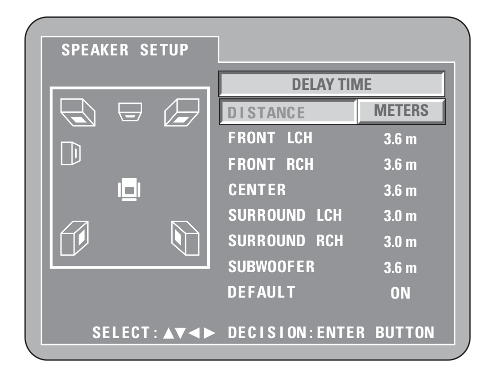


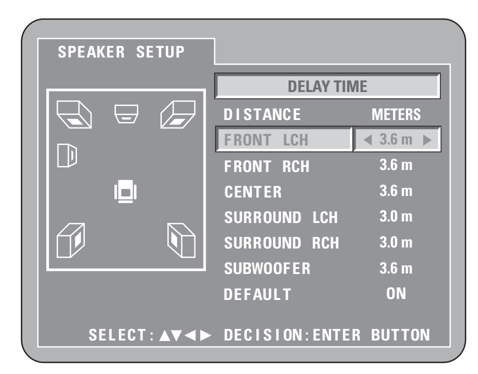
遙控器

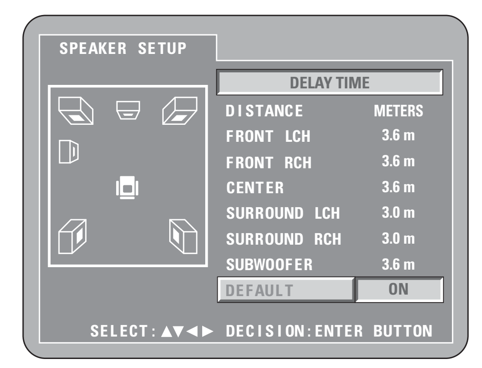


遙控器









3

② 選擇"數碼輸出（DIGITAL OUT）"：

常規（NORMAL）（出廠默認設置）

當播放以杜比信號或 DTS 錄制的 DVD 時，比特流信號將從數碼音頻輸出端口輸出。當播放以線性 PCM 或打包壓縮 PCM 錄制的 DVD 時，將輸出線性 PCM 信號。當與一臺內置杜比數碼及 DTS 解碼器的 AV 功放進行數碼連接時，選擇"常規（NORMAL）"選項。

播放控制菜單（PCM）

當播放杜比數碼 / DTS 比特流信號或以線性 PCM 或打包壓縮 PCM 錄制的 DVD 時，信號將被轉化爲 48kHz / 16 位 PCM（2-聲道）信號且從數碼輸出端口輸出。當播放以 PCM 錄制的 DVD 時，線性 PCM 信號被輸出。

③ 選擇"LPCM（44.1kHz / 48kHz）"：

關閉（OFF）（出廠默認設置）

當播放未經版權保護的線性 PCM 或打包壓縮 PCM DVD 時，對於96kHz 的 2-聲道 PCM 音頻信號，線性 PCM 將以未轉換的形式從數碼輸出端口輸出。（176.2kHz 及 192kHz 的信號將分別轉換爲 88.2kHz 與 96kHz。）

對於包含多重聲道 PCM 信號的 DVD，數碼信號將被向下混合至 2 聲道，前左與前右，以便輸出。（對於無法進行向下混合的音源，僅輸出前左及前右聲道。）

當播放有版權保護的線性 PCM 或打包壓縮 PCM DVD 時，考慮到版權保護因素，對大於 48kHz / 16 位的音源，將無數碼信號輸出。當播放此類音源時，可設爲"開啓（ON）"或進行模擬連接。（參閱第 90 頁。）

開啓（ON）

線性 PCM 或打包壓縮 PCM 信號將被轉換爲 44.1kHz 或 48kHz 並輸出。（考慮到版權保護因素，PCM 音頻輸出信號將被轉換爲 48kHz 甚至更低。）當與一臺不兼容 96kHz / 88.2kHz 信號的 AV 功放進行數碼連接時，則設爲"開啓（ON）"。

④ 選擇"直接音源（SOURCE DIRECT）"：

關閉（OFF）（出廠默認設置）

當進行揚聲器設置或設置延時和播放時請設爲關閉（OFF）。

開啓（ON）

當未執行揚聲器設置操作而播放時設爲開啓（ON）。執行該項將對DTS 進行設置，建議全聲道，全帶寬播放。（注意低音炮的音量將增加 5dB，超級 CD 也將增加 15dB。）當播放以全聲道，全帶寬錄制的 DVD 音頻 6-聲道音源時也可進行該設置。當設爲"關閉（OFF）"時，所有揚聲器的揚聲器尺寸將設爲"大（Large）"且低音炮將設爲"是（Yes）"。當播放此類軟件時，根據軟件使用手冊進行模擬連接。

⑤ 選擇"低音增強（BASS ENHANCER）"時：

關閉（OFF）（出廠默認設置）

低音炮無聲音產生。

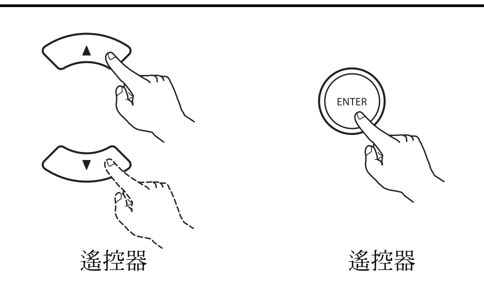
開啓（ON）

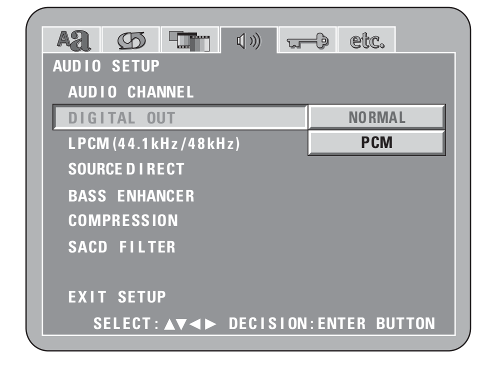
聲音由低音炮產生。

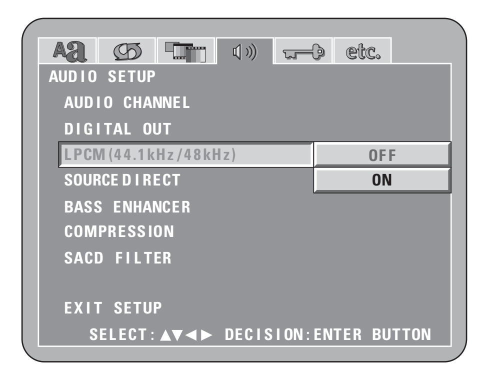
在此情況下，在揚聲器設置中將低音炮設爲"是（YES）"。

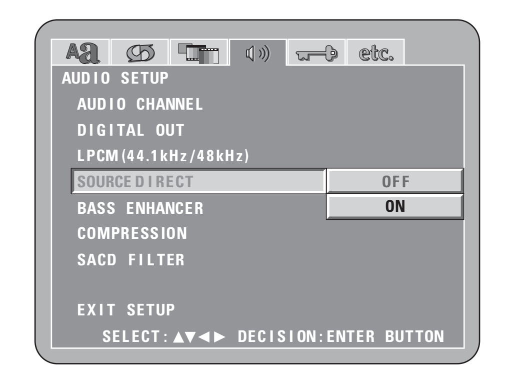
✻ 僅對模擬音頻輸出有效。

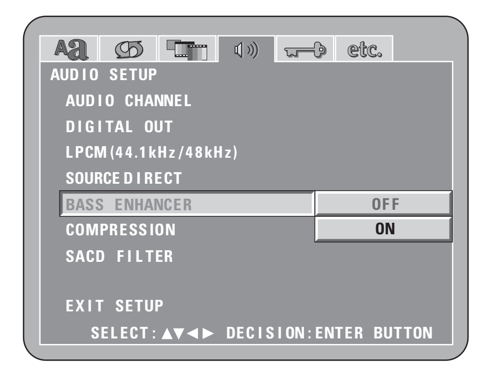
✻ 在"直接音源（SOURCE DIRECT）"開啓時無效。

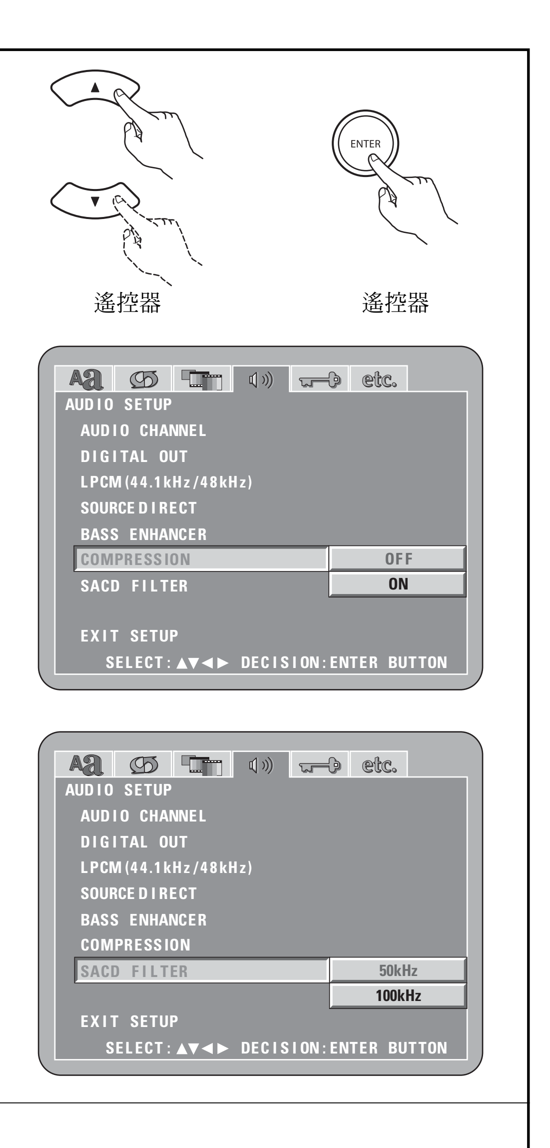








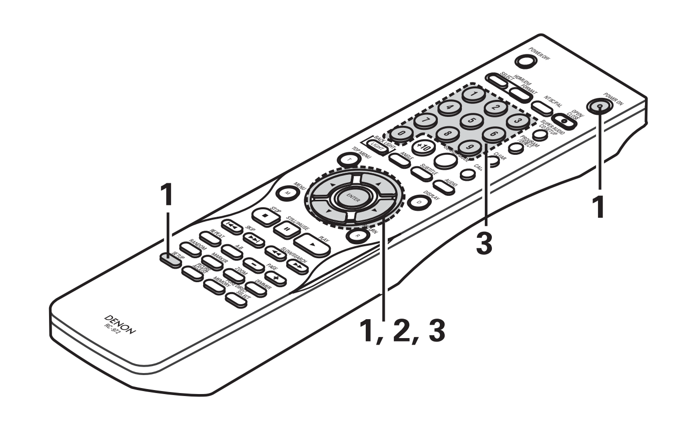


3	⑥ 選擇“緊縮（COMPRESSION）”時： **關閉（OFF）（出廠默認設置）** 選擇該項爲標準範圍。 **開啓（ON）** 即使音量低時選擇該項也可產生強大的聲音。該設置適合在夜間音量低時觀看 DVD。（該設置僅對以杜比數碼錄制的 DVD 有效。） ⑦ 選擇“超級 CD 濾波器（SACD（Super Audio CD）FILTER）”時： **50kHz（出廠默認設置）** 當播放超級 CD 時，50kHz 或更高的高頻率被截止。 **100kHz** 當播放超級 CD 時，100kHz 或更高的高頻率被截止。 ✻ 當連接兼容高頻率的 AV 功放時設爲 100kHz。	

✻ 退出設置模式

使用 ▼ 遊標鍵選擇“退出設置（EXIT SETUP）”，然後按下確認（ENTER）鍵。使用遙控器上的設置（SETUP）鍵也可進行退出。

選擇“限制等級設置（RATINGS)”



<table>
<tr><td>1</td><td>參閱第 102 頁。</td><td rowspan="2">遙控器
遙控器
RATINGS
RATING LEVEL 8(NO LIMIT)
PASSWORD
EXIT SETUP
SELECT:▲▼◄► DECISION:ENTER BUTTON</td></tr>
<tr><td>2</td><td>使用光標鍵 ▲ 與 ▼ 選擇所需的設置，然後按確認（ENTER）鍵。
限制等級（RATING LEVEL）
設定限制兒童觀賞的成人 DVD 等級。注意除非碟片上已錄制了限制等級，否則即使是成人 DVD，也無法限制他人觀看。
密碼（PASSWORD）
改變密碼設定。
設備默認密碼爲“0000”。</td></tr>
<tr><td>3</td><td>使用光標鍵 ▲ 與 ▼ 選擇所需的設置，然後按確認（ENTER）鍵。
① 選擇“限制等級（RATING LEVEL)”時：
0（全部鎖定（LOCK ALL））
選擇此項使所有 DVD 均不可播放。
使用該項使那些沒有錄制限制等級信息的成人 DVD 也無法播放。
1
選擇此項僅播放適合兒童觀看的 DVD。（成人及普通 DVD 不可播放。）
2 到 7（2 to 7）
選擇此項播放成人及兒童均可觀賞的普通 DVD，不可播放成人 DVD。
8（無限制（NO LIMIT））（出廠默認設置）
選擇此項播放所有的 DVD。</td><td>遙控器
遙控器
RATINGS
RATING LEVEL
PASSWORD
EXIT SETUP
0(LOCK ALL)
1
2
3
4
5
6
7
8(NO LIMIT)
SELECT:▲▼◄► DECISION:ENTER BUTTON</td></tr>
</table>

3

使用數字鍵輸入一 4 位數密碼，然後按確認（ENTER）鍵。

✻ 默認密碼設置爲“0000”。

✻ 切勿忘記密碼。

✻ 一旦鎖住，除非是正確密碼否則無法改變設置。

② 選擇“密碼（PASSWORD）”時：
使用 ▶ 遊標鍵選擇“改變（CHANGE）”，然後按確認（ENTER）鍵。

使用數字鍵輸入一舊的（當前的）4 位數密碼。

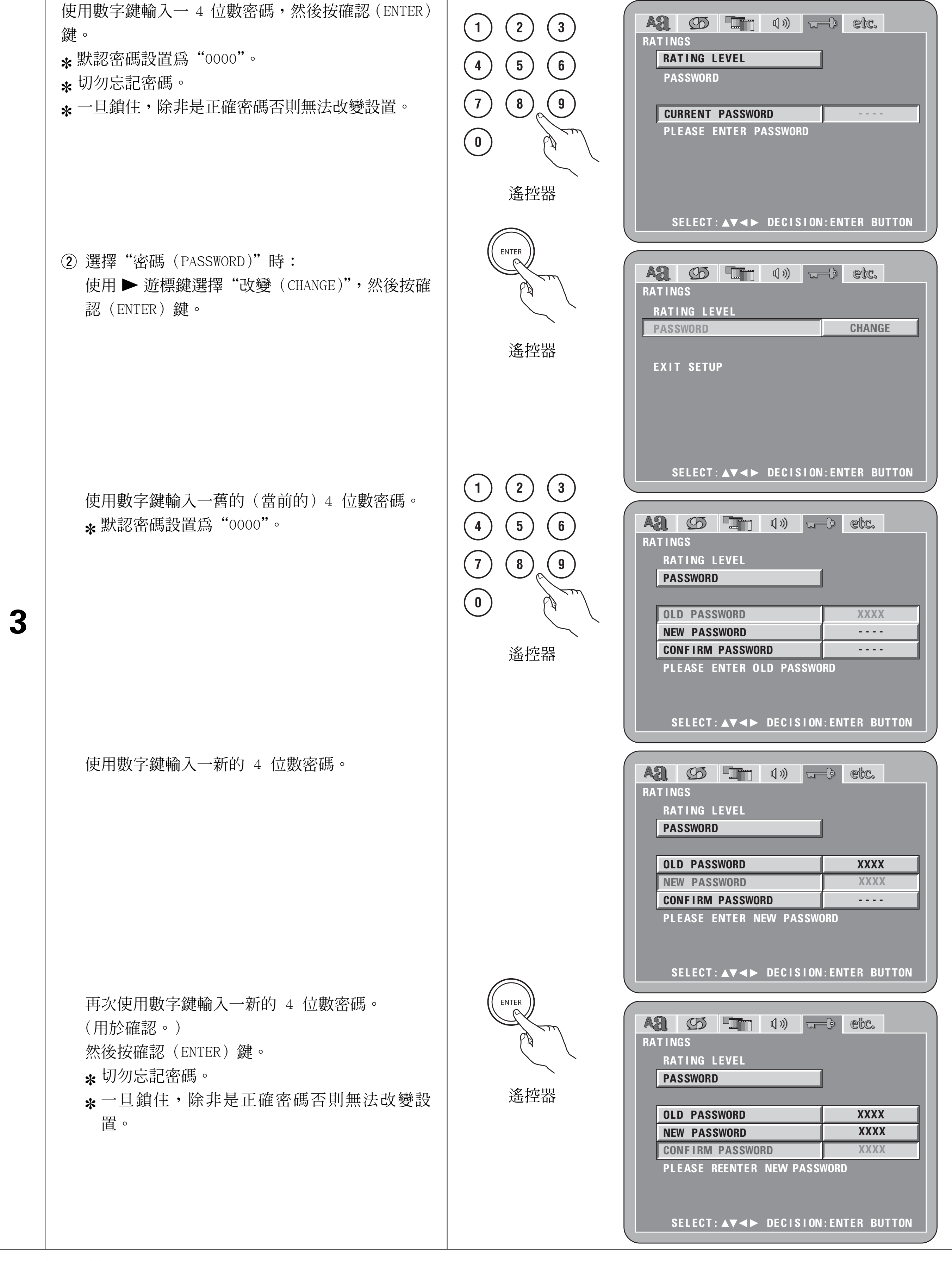
✻ 默認密碼設置爲“0000”。

使用數字鍵輸入一新的 4 位數密碼。

再次使用數字鍵輸入一新的 4 位數密碼。
（用於確認。）
然後按確認（ENTER）鍵。

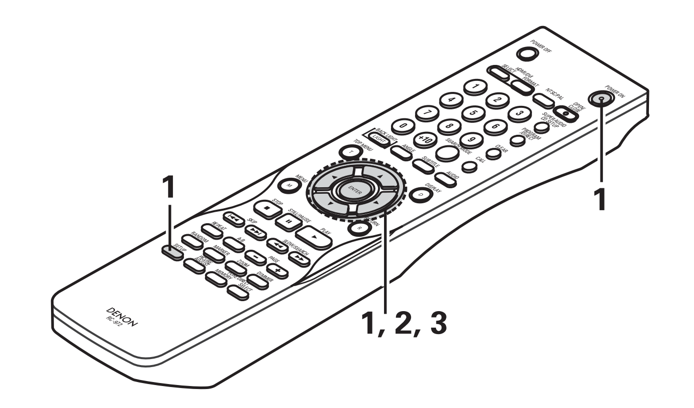
✻ 切勿忘記密碼。

✻ 一旦鎖住，除非是正確密碼否則無法改變設置。

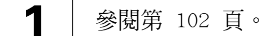


✻ **退出設置模式**
使用 ▼ 遊標鍵選擇“退出設置（EXIT SETUP）”，然後按下確認（ENTER）鍵。使用遙控器上的設置（SETUP）鍵也可進行退出。

選擇“其他設置（OTHER SETUP）”

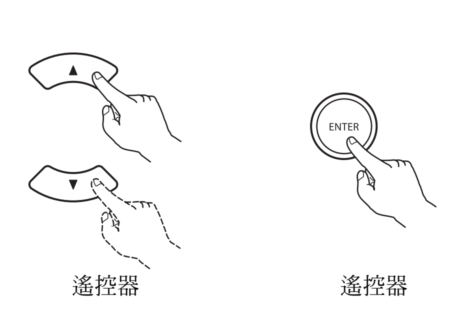


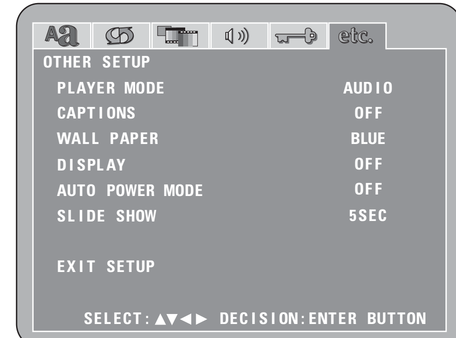
1



參閱第 102 頁。

2





使用光標鍵 ▲ 與 ▼ 選擇所需的設置，然後按確認（ENTER）鍵。

播放機模式（PLAYER MODE）
設置 DVD 視頻播放模式可播放包含於 DVD 音頻碟片上的 DVD 視頻內容。

對白（CAPTIONS）
設定是否顯示已錄制在 DVD 上的對白。

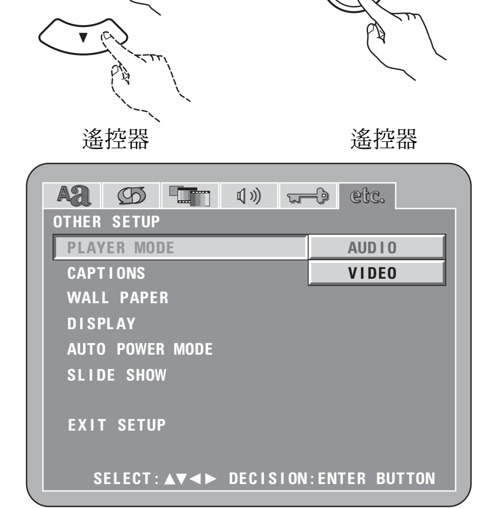
牆紙（WALL PAPER）
用於選擇在停止模式及 CD 播放模式下屏幕上所顯示的畫面。

顯示屏（DISPLAY）
即使顯示屏已關閉，無論本機的顯示屏上是否有顯示，可在進行操作後的 2 秒內執行設置。

自動電源模式（AUTO POWER MODE）
爲便於節省電源，DVD-3910 可在未使用一段時間後自動設爲候用模式。

幻燈片播放（SLIDE SHOW）
在播放由靜止圖像（JPEG 格式）組成的幻燈片時，可設定切換至下一張靜止圖像的時間。

3



使用光標鍵 ▲ 與 ▼ 選擇所需的設置，然後按確認（ENTER）鍵。

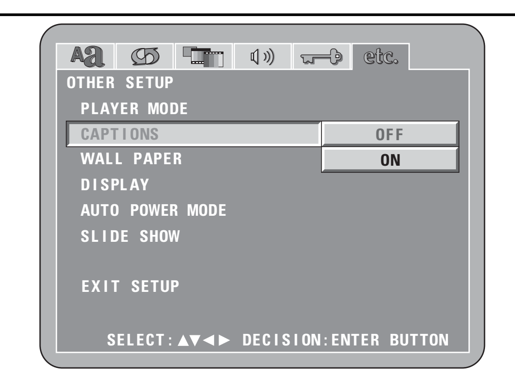
① 選擇“播放機模式（PLAYER MODE）”時：

音頻（AUDIO）（出廠默認設置）
用於播放 DVD 音頻信號。

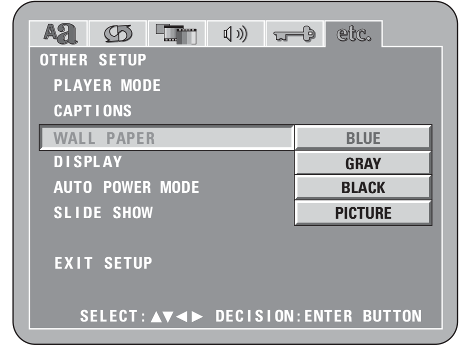
視頻（VIDEO）
用於播放包含於 DVD 音頻碟片上的 DVD 視頻內容。

3

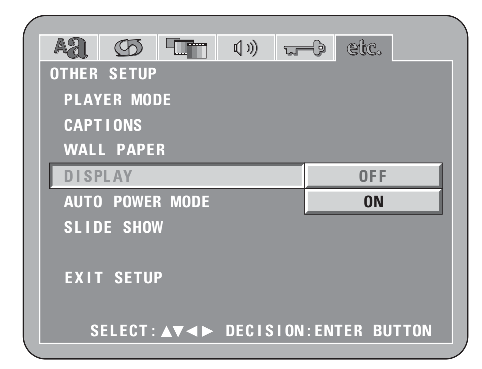
② 選擇“對白（CAPTIONS）”時：
關閉（OFF）（出廠默認設置）
選擇該項播放包含英語對白的 DVD 時不顯示對白。
開啓（ON）
選擇該項播放包含英語對白的 DVD 時顯示對白。



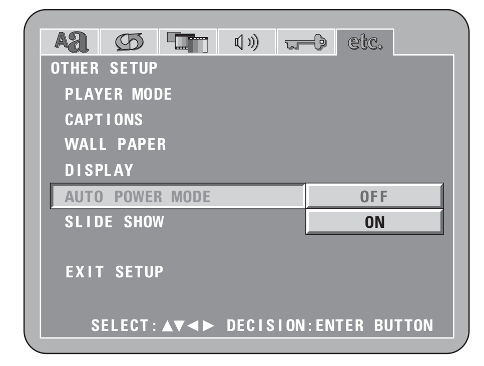
③ 選擇“牆紙（WALL PAPER）”時：
藍色（BLUE）（出廠默認設置）
選擇該項在電視屏上顯示藍色背景。
灰色（GRAY）
選擇該項在電視屏上顯示灰色背景。
黑色（BLACK）
選擇該項在電視屏上顯示黑色背景。
圖片（PICTURE）
選擇該項在電視屏上顯示牆紙。



④ 選擇“顯示屏（DISPLAY）”時：
關閉（OFF）（出廠默認設置）
當關閉顯示屏時有效。即使按下鍵鈕（如跳播鍵，停止鍵等）顯示屏將不顯示任何信息。
開啓（ON）
當關閉顯示屏時有效。按下鍵鈕（如跳播鍵，停止鍵等）時，指示信息將在顯示屏上顯示大約2秒。



⑤ 選擇“自動電源模式（AUTO POWER MODE）”時：
關閉（OFF）（出廠默認設置）
電源無法自動切換至候用模式。
開啓（ON）
當 DVD-3910 在停止狀態下持續約 30 分鐘時，DVD-3910 的電源將被關閉且設爲候用模式。



⑥ 選擇“幻燈片播放（SLIDE SHOW）”時：
使用 ▲ 與 ▼ 遊標組鍵設置時間間隔。
時間間隔可在 5 至 15 秒範圍內設置。**（出廠默認設置為 5 秒。）**

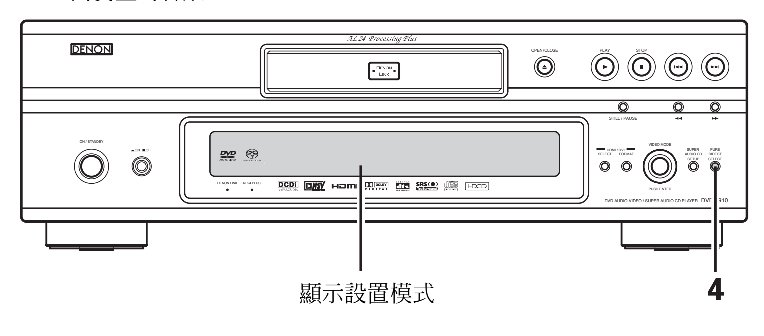


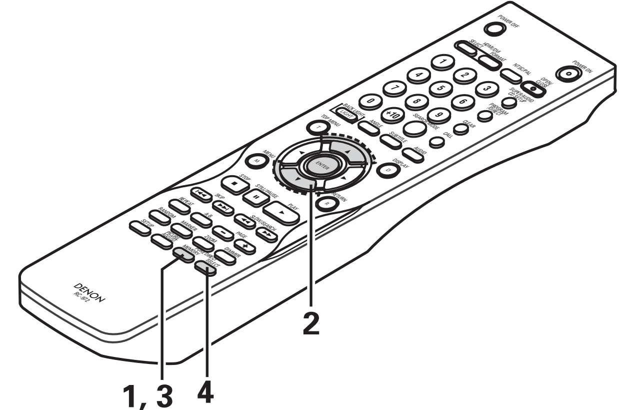
✻ 退出設置模式
使用 ▼ 遊標鍵選擇“退出設置（EXIT SETUP）”，然後按下確認（ENTER）鍵。使用遙控器上的設置（SETUP）鍵也可進行退出。

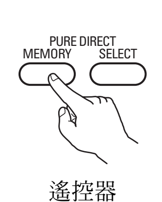
注意：
- 播放英語對白時需要英語對白解碼器。
- 包含對白的 DVD 用 ，，CC 標示。
  播放不包含對白信號的 DVD 時無法顯示英語對白。
- 對白顯示的格式（大寫，小寫，斜體等）視不同 DVD 而定，DVD-3910 無法選擇。

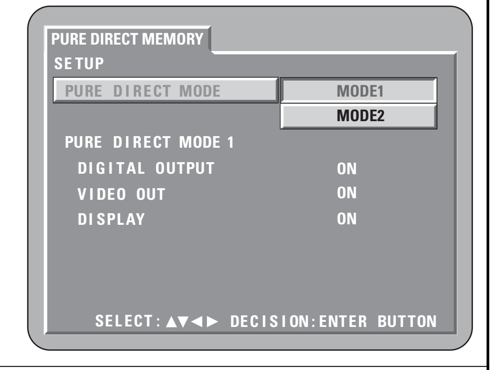
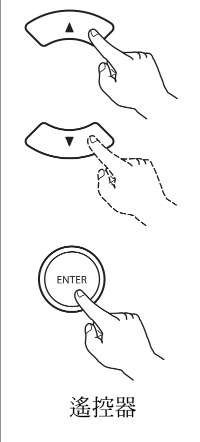
9 使用純直入模式

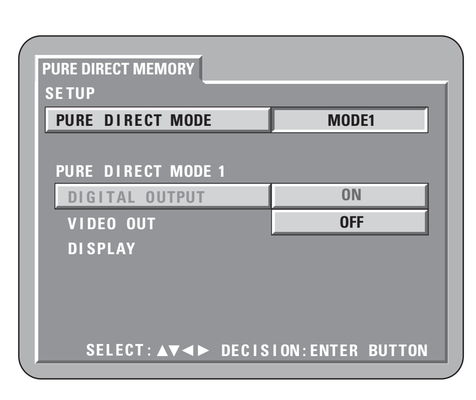
■ 在純直入模式下，僅輸出模擬音頻信號（無視頻等信號），因此可產生高質量的音效。





<table>
<tr><td>1</td><td>按遙控器上的純直入記憶（PURE DIRECT MEMORY）鍵。
• 視頻等信號的輸出狀態可根據需要保存在模式 1（MODE 1）和模式 2（MODE 2）中。</td><td>

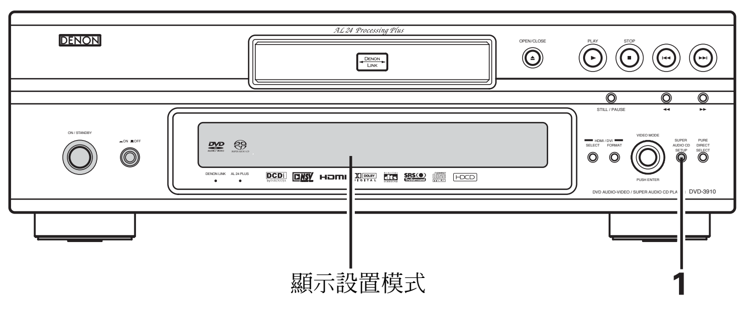
遙控器</td><td>
</td></tr>
<tr><td>2</td><td>使用 ▲ 和 ▼ 遊標組鍵選擇模式，然後按確認（ENTER）鍵。
數碼輸出（DIGITAL OUTPUT）
開啓（ON）： 輸出數碼音頻信號。
關閉（OFF）： 不輸出數碼音頻信號。
視頻輸出（VIDEO OUT）
開啓（ON）： 輸出數碼視頻信號。
關閉（OFF）： 不輸出數碼視頻信號。
顯示屏（DISPLAY）
開啓（ON）： 在主機的顯示屏中顯示。
關閉（OFF）： 不在主機的顯示屏中顯示。
✻ 當視頻輸出設爲“關閉（OFF）”或“全部關閉（ALL OFF）”時，HDMI 視頻和音頻信號均無法輸出。
同時，當HDMI音頻設置設爲（HDMI AUDIO SETUP）“多重常規（MULTI（NORMAL））”時，無法進行數碼輸出設置。
✻ 當天龍連接（DENON LINK）和 IEEE1394 設置均有效時，無法選擇數碼輸出（DIGITAL OUTPUT）的設置。</td><td>

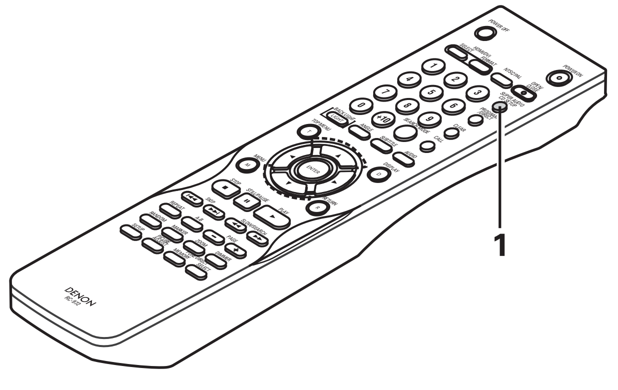
遙控器</td><td>
</td></tr>
</table>

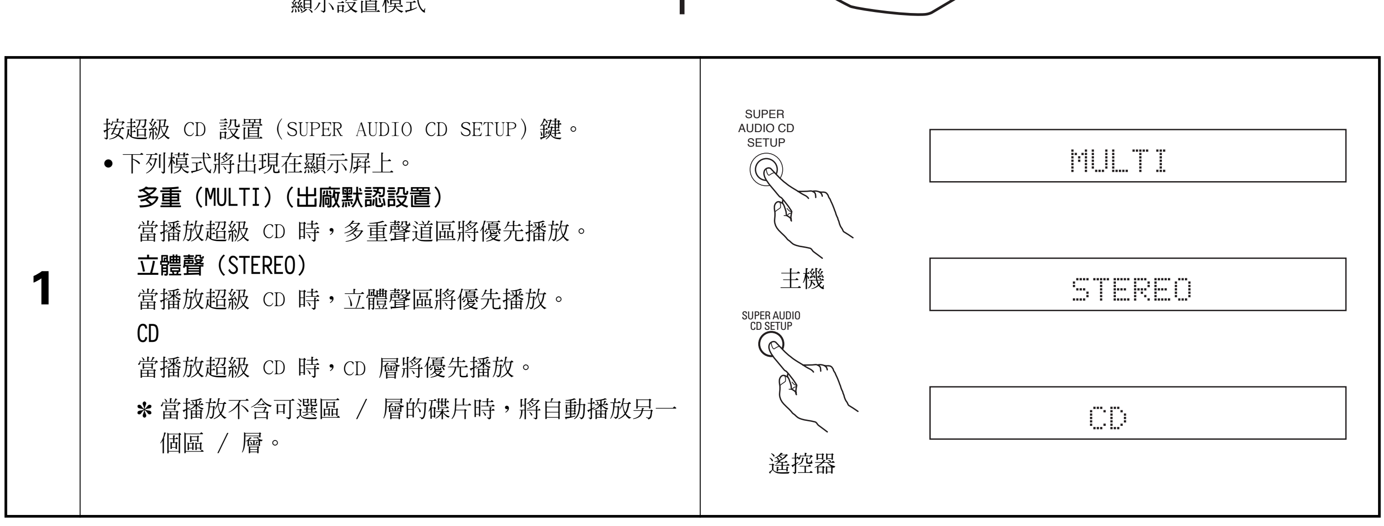
3	按遙控器上的純直入記憶（PURE DIRECT MEMORY）鍵。 • 所有設置儲存在記憶中。	PURE DIRECT MEMORY SELECT 遙控器
4	按主機上的純直入記憶（PURE DIRECT MEMORY）鍵。 下列模式將出現在顯示屏上。 常規（NORMAL）：所有信號正常輸出。 模式 1（MODE 1）：使用以模式 1（MODE 1）儲存的設置。 出廠默認設置爲： “數碼輸出（DIGITAL OUT）”：“開啓（ON）” “視頻輸出（VIDEO OUT）”：“開啓（ON）” “顯示屏（DISPLAY）”：“開啓（ON）” 模式 2（MODE 2）：使用以模式 2（MODE 2）儲存的設置。 出廠默認設置爲： “數碼輸出（DIGITAL OUT）”：“開啓（ON）” “視頻輸出（VIDEO OUT）”：“開啓（ON）” “顯示屏（DISPLAY）”：“開啓（ON）” 全部關閉（ALL OFF）：主機的顯示屏上無信息，不輸出視頻和數碼信號。 （除了模擬音頻信號）	PURE DIRECT SELECT 主機 PURE DIRECT MEMORY SELECT 遙控器

10 使用超級 CD 設置

■ 在超級 CD 中，立體聲和多重聲道區被分離。
混合碟片包含超級 CD 層和 CD 層兩層結構。
可設置優先播放的區 / 層。

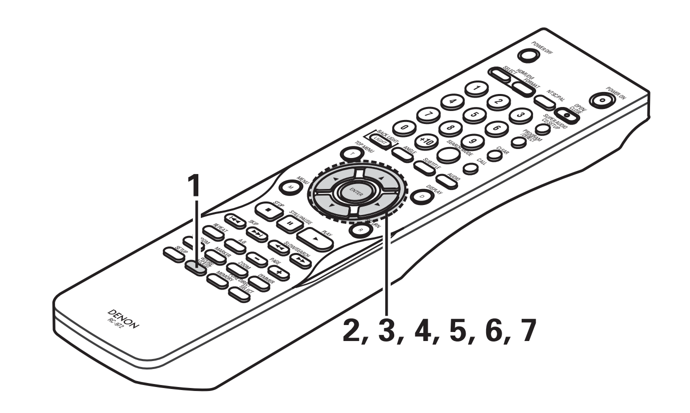


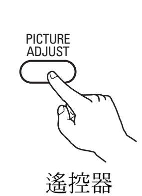


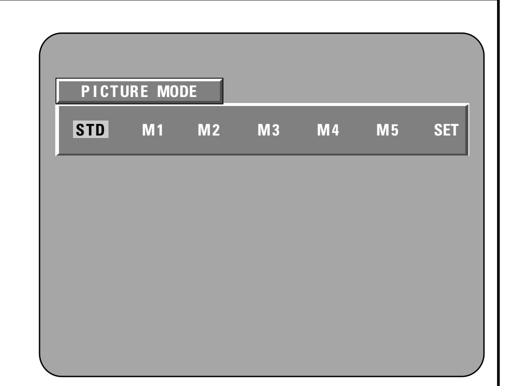
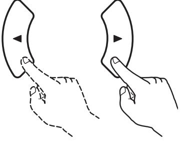
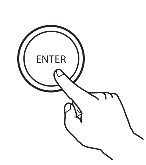


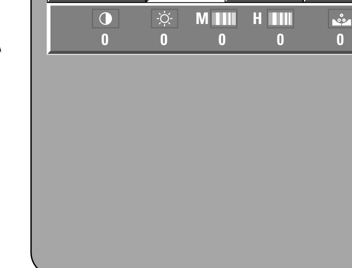
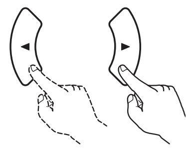
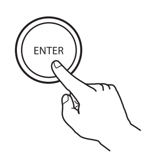
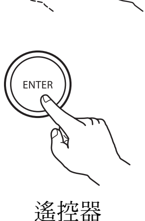
1	按超級 CD 設置（SUPER AUDIO CD SETUP）鍵。 • 下列模式將出現在顯示屏上。 **多重（MULTI）（出廠默認設置）** 當播放超級 CD 時，多重聲道區將優先播放。 **立體聲（STEREO）** 當播放超級 CD 時，立體聲區將優先播放。 **CD** 當播放超級 CD 時，CD 層將優先播放。 ✻ 當播放不含可選區 / 層的碟片時，將自動播放另一個區 / 層。	SUPER AUDIO CD SETUP 主機 SUPER AUDIO CD SETUP 遙控器 MULTI STEREO CD

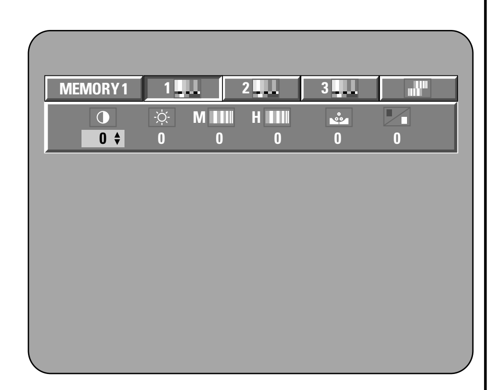
11 調整畫面質量



<table>
<tr><td>1</td><td>在播放或暫停過程中按下畫面調整（PICTURE ADJUST）鍵。
• 出現畫面質量調整屏幕。
標準（STD）
恢復至出廠默認值。
M1 至 M5
根據您偏好調整的畫面質量設置被儲存在 M1 至 M5，5 個記憶中。
設置（SET）
設置（SET）可對屏幕顯示位置（垂直和水平）的設置和設置電平進行設定。</td><td>

遙控器</td><td>
</td></tr>
<tr><td>2</td><td>使用 2 個遊標組鍵（◄，►）選擇記憶，然後按確認（ENTER）鍵。
畫面質量調整 1（IMAGE QUALITY ADJUSTMENT 1）
可對對比度，亮度，銳化度，色彩度和 CCS（抑制色失真）進行調整。→ 前進至操作步驟 3。
畫面質量調整 2（IMAGE QUALITY ADJUSTMENT 2）
可對設置電平，白電平，色彩濃度，色度延遲和降噪（NOISE REDUCTION）進行調整。 → 前進至操作步驟 4。
增強（ENHANCER）（調整 3（ADJUSTMENT 3））
可對增強度進行調整。 → 前進至操作步驟 5。
圖像灰度校正（GAMMA CORRECTION）
當畫面中的灰暗部分過暗或明亮部分過亮可選擇此項。 → 前進至操作步驟 6。</td><td>


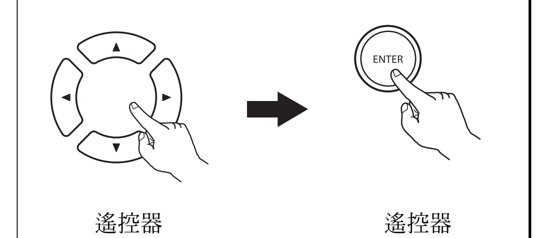
遙控器</td><td>
</td></tr>
<tr><td>3</td><td>當選擇畫面質量調整 1 進行調整時：
• 按住遊標鍵（▼），用遊標鍵（◄，►）選擇畫面質量調整項，用遊標鍵（▲，▼）設置調整值，然後按確認（ENTER）鍵。
• 所有調整的內容將被儲存。
對比度（–6 至 +6）（出廠默認值：0）
• 調節畫面的對比度。
亮度（0 至 +12）（出廠默認值：0）
• 調節畫面的亮度。</td><td>



遙控器</td><td>
</td></tr>
</table>

3	**銳化度（SHARPNESS）（中（MID））（–6 至 +6）（出廠默認値：0）** • 調節中頻畫面的銳化度。 **銳化度（SHARPNESS）（高（HIGH））（–6 至 +6）（出廠默認値：0）** • 調節高頻畫面的銳化度。（僅影響分級畫面。） **色彩度（HUE）（–6 至 +6）（出廠默認値：0）** • 調節綠色和紅色的平衡。（不影響分級掃描輸出或色差輸出。） **CCS（0 至 +3）（出廠默認値：0）** • 將與亮度信號的色彩信號色差混合在一起的圖像色彩信號色差移除。（僅影響分級畫面。）	
4	當選擇畫面質量調整 2 進行調整時： **白電平（WHITE LEVEL）（–5 至 +5）（出廠默認値：0）** • 調節白電平。 **色度電平（CHROMA LEVEL）（–6 至 +6）（出廠默認値：0）** • 調節色彩濃度。 **色度延遲（CHROMA DELAY）（–2 至 +2）（出廠默認値：0）** • 調節畫面亮度信號和色彩信號的切換。（僅影響分級畫面。） **DNR（數碼降噪）（0 至 +6）（出廠默認値：0）** • 降低視頻噪聲。	ENTER MEMORY1 1 2 3 0 0 0 0 遙控器
5	當選擇增強（ENHANCER）（調整 3（ADJUSTMENT 3））進行調整時： **水平增強（ENHANCER V）（0 至 +11）（出廠默認値：0）** • 加強畫面的水平輪廓。 **垂直增強（ENHANCER H）（0 至 +11）（出廠默認値：0）** • 加強畫面的垂直輪廓。	ENTER MEMORY1 1 2 3 0 0 遙控器

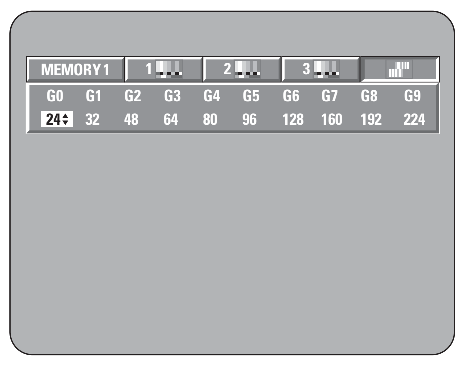
6

當選擇圖像灰度校正（GAMMA CORRECTION）進行調整時：
有兩種類型的顯示用於調節圖像灰度校正。
- 當使用圖像灰度校正的數字表格時。（圖 1）
  ：按遊標鍵（▼）。
- 當使用圖像灰度校正的圖表時。（圖 2）
  ：按確認（ENTER）鍵。

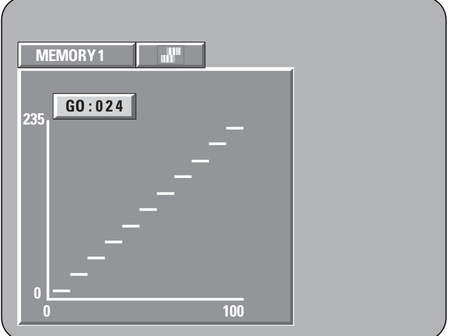


使用遊標組鍵（◄，►）選擇調節點，用遊標組鍵（▲，▼）設置亮度電平的調整值，然後按確認（ENTER）鍵。
（若在按下確認（ENTER）鍵前按畫面調整（PICTURE ADJUST）鍵，不保存調整值。）
- 可在 16 至 235 的範圍內調節亮度電平。
- 按遊標鍵（▲）增加電平（畫面變亮），按遊標鍵（▼）減少電平（畫面變暗）。
- 按下清除（CLEAR）鍵將所有的設置點恢復至標準電平。

✻ 所選點的電平不得超過其上下各點的電平。
（暗度部分不得超過亮度部分。）



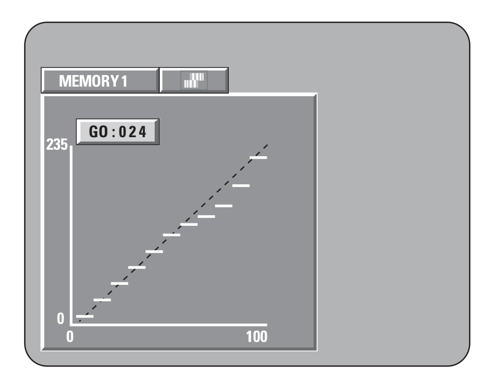
（圖 1）



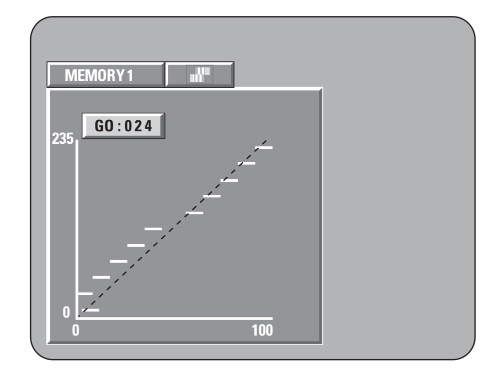
（圖 2）

✻ **結束畫面質量調整**
按畫面調整（PICTURE ADJUST）鍵。

參考：
在圖像灰度校正的圖表中，橫坐標表示碟片上所錄制圖像的亮度電平，縱坐標表示本機圖像輸出時的亮度電平。



- 若將碟片側的亮點調整爲輸出側的“暗點”，則通常不易被看見的亮點中好的部分會變得更加清晰。



- 若將碟片側的暗點調整爲輸出側的“亮點”，則通常不易被看見的暗點中好的部分會變得更加清晰。

7

當選擇屏幕顯示位置進行調整時：

- 按下遊標鍵（▼），用遊標組鍵（◄，►）選擇垂直/水平方向，用遊標組鍵（▲，▼）設置調整值，然後按確認（ENTER）鍵。

設置電平（SETUP LEVEL）（0 IRE，7.5 IRE）（出廠默認值：0 IRE）

- 校正浮動黑點。

垂直位置（H. POSITION）（–7 至 +7）（出廠默認值：0）

- 左右可進行 15 步位置調節。

水平位置（V. POSITION）（–3 至 +7）（出廠默認值：0）

- 上下可進行 11 步位置調節。

ENTER

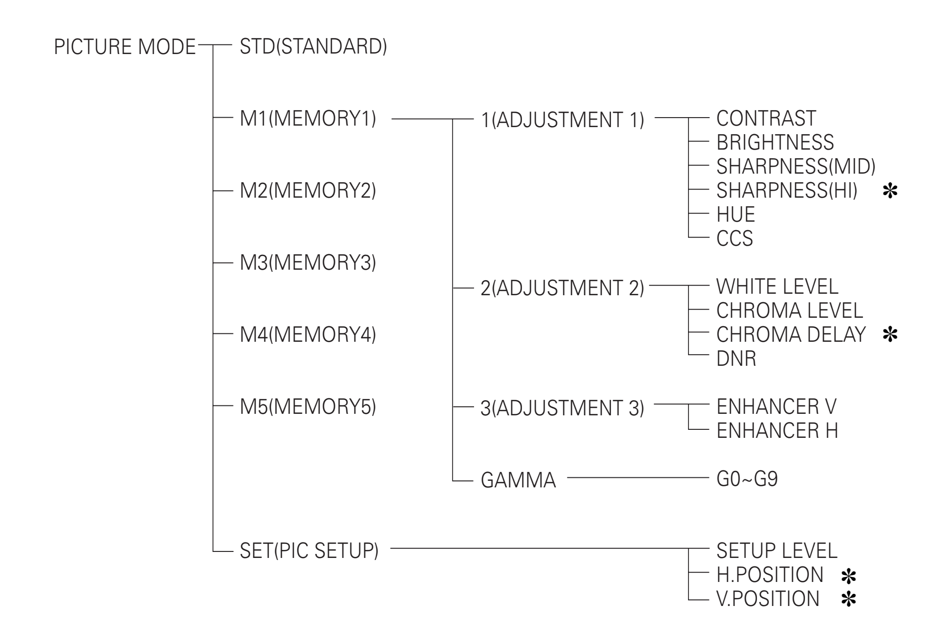
遙控器

PICTURE MODE
STD　M1　M2　M3　M4　M5　SET

PIC SETUP
SETUP LEVEL　0　0　0

✻ 欲退出畫面調整模式

按畫面調整（PICUTRE ADJUST）鍵。

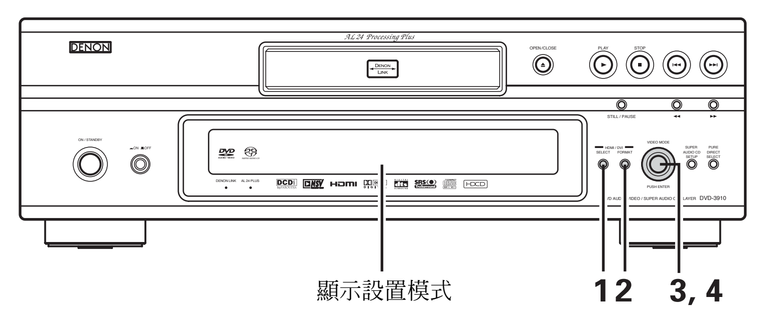


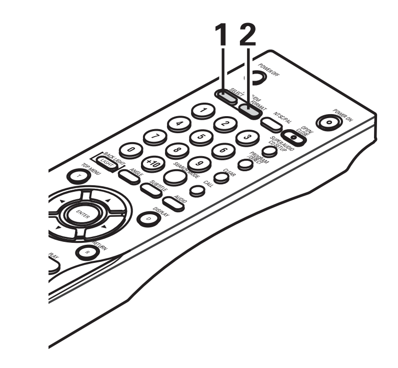
✻ 僅對分級掃描有效。

- 輸出 HDMI 和 DVI 信號時，銳化度（SHARPNESS）（中（MID）/ 高（HI）），色度延時（CHROMA DELAY）和圖像灰度校正的設置無效。

12 使用視頻設置

■ 可改變 HDMI 和 DVI-D 端口的視頻輸出設置。
■ 也可改變畫面模式（PICTURE MODE），分級模式（PROGRESSIVE MODE）和調整模式（ADJUST MODE）的視頻輸出設置。





✻ 當檢查連接時，HDMI，DVI，480P，576P，720P 和 1080i 指示燈閃爍，一旦檢查完畢，將停止閃爍，保持亮起。

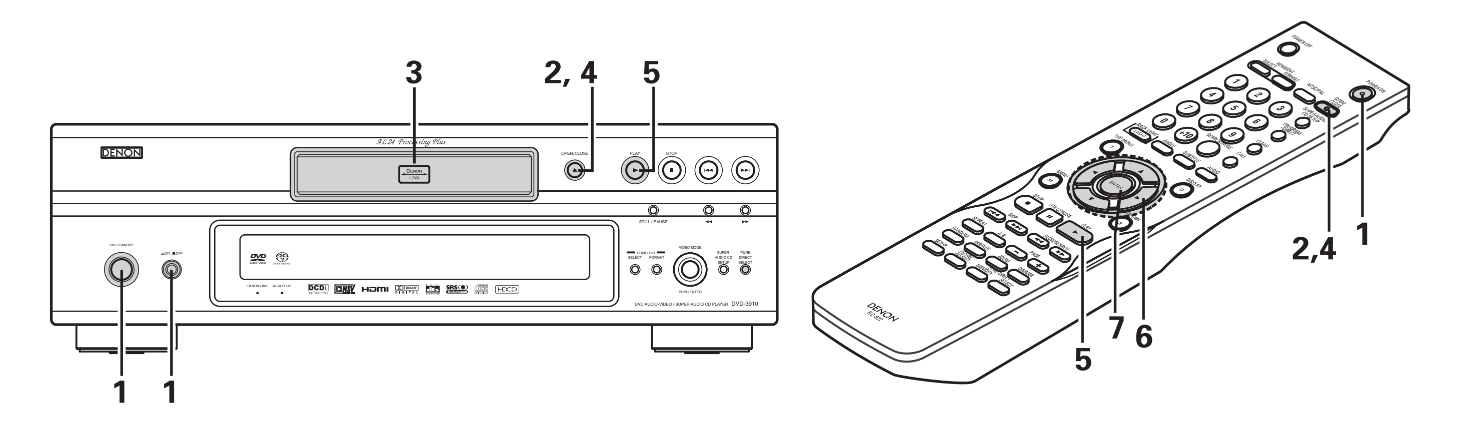
1	按 HDMI / DVI 選擇（HDMI / DVI SELECT）鍵。 • 顯示屏中將出現下列模式。 **HDMI / DVI 關閉（HDMI / DVI OFF）（出廠默認值）** HDMI 和 DVI-D 端口無輸出信號。 設爲使用色差視頻輸出（COMPONENT VIDEO OUT）端口的模式。 **HDMI Y Cb Cr** 從 HDMI 端口輸出色差信號。 **HDMI RGB** 從 HDMI 端口輸出 RGB 信號。 **DVI** 從 DVI-D 端口輸出 RGB 信號。 ✻ 僅從 HDMI，DVI 或分級色差視頻輸出端口中的一個端口輸出視頻信號。	HDMI / DVI SELECT FORMAT 主機 HDMI/DVI SELECT FORMAT 遙控器 HDMI/DVI OFF HDMI Y Cb Cr HDMI R G B DVI
2	按 HDMI / DVI 格式（HDMI / DVI FORMAT）鍵。 • 顯示屏中將出現下列模式。 選擇欲設置的項目並按選擇旋鈕確認。 **480P / 576P（出廠默認值）** 以 480P 或 576P 從 HDMI 或 DVI-D 端口輸出畫面。 **720P** 以 720P 從 HDMI 或 DVI-D 端口輸出畫面。 **1080i** 以 1080i 從 HDMI 或 DVI-D 端口輸出畫面。 • 當播放 PAL-制式的碟片時，確保將 TV 類型選項設爲 NTSC。（參閱第 112，113 頁。） • 當切換爲輸出設置模式時可能會干擾視頻或音頻信號。 • 根據使用的電視機，若電視機的輸入未設爲 HDMI 或 DVI，則會設爲 HDMI 或 DVI 關閉（OFF）模式。此時，在進行 DVI 設置步驟前將電視機輸入設置爲 HDMI 或 DVI。 • 連接兼容 HDCP 的顯示器觀看以 DVI 連接的圖像。	HDMI / DVI SELECT FORMAT 主機 HDMI/DVI SELECT FORMAT 遙控器 480P/576P 720P 1080i

3	轉動視頻模式（VIDEO MODE）旋鈕。 • 顯示屏中將出現下列模式。 選擇欲設置的項目並按選擇旋鈕確認。 **畫面模式（PICTURE MODE）** 標準設置爲出廠默認值同時可儲存畫面質量設置（M1 至 M5）。（參閱第 125 ~ 128 頁。） **分級模式（PROGRESSIVE MODE）** 可設置儲存在 DVD 圖像中最合適的分級視頻輸出。（默認設置 – 視頻設置 – 簡單分級模式設置） **TV 類型（TV TYPE）** **緊縮模式（SQUEEZE MODE）** ✻ 在視頻模式（VIDEO MODE）中選擇的各種模式是暫時的改變。當電源關閉時本機將恢復至儲存值。	VIDEO MODE PUSH 主機 PICTURE MODE PROGRE. MODE TV TYPE SQUEEZE MODE
4	當選擇“畫面模式（PICTURE MODE）”時： • 顯示屏中將出現下列模式。 選擇欲設置的項目並按選擇旋鈕確認。 （參閱第 125 ~ 128 頁。） **標準（STD（STANDARD））** 恢復至出廠默認值。 **記憶 1（M1（MEMORY1））** 畫面質量調整項 – 在畫面質量調整模式中儲存爲 M1（記憶 1）模式。 **記憶 2（M2（MEMORY2））** 畫面質量調整項 – 在畫面質量調整模式中儲存爲 M2（記憶 2）模式。 **記憶 3（M3（MEMORY3））** 畫面質量調整項 – 在畫面質量調整模式中儲存爲 M3（記憶 3）模式。 **記憶 4（M4（MEMORY4））** 畫面質量調整項 – 在畫面質量調整模式中儲存爲 M4（記憶 4）模式。 **記憶 5（M5（MEMORY5））** 畫面質量調整項 – 在畫面質量調整模式中儲存爲 M5（記憶 5）模式。 選擇“分級模式（PROGRESSIVE MODE）”： • 顯示屏中將出現下列模式。 選擇欲設置的項目並按選擇旋鈕確認。 （參閱第 112，113 頁。） **自動 1（AUTO1）** 當錄制在 DVD 中的畫面爲電影內容時選擇該項。 **自動 2（AUTO2）** 當錄制在 DVD 中的畫面爲 30 楨電影內容時選擇該項。 **視頻 1（VIDEO1）** 選擇該項用於常規視頻內容。 **視頻 2（VIDEO2）** 選擇該項用於帶少量移動的視頻內容。 **視頻 3（VIDEO3）** 選擇該項用於帶大量移動的視頻內容。	VIDEO MODE PUSH 主機 STD(STANDARD) M1 (MEMORY1) M2 (MEMORY2) M3 (MEMORY3) M4 (MEMORY4) M5 (MEMORY5) VIDEO MODE PUSH 主機 AUTO 1 AUTO 2 VIDEO 1 VIDEO 2 VIDEO 3

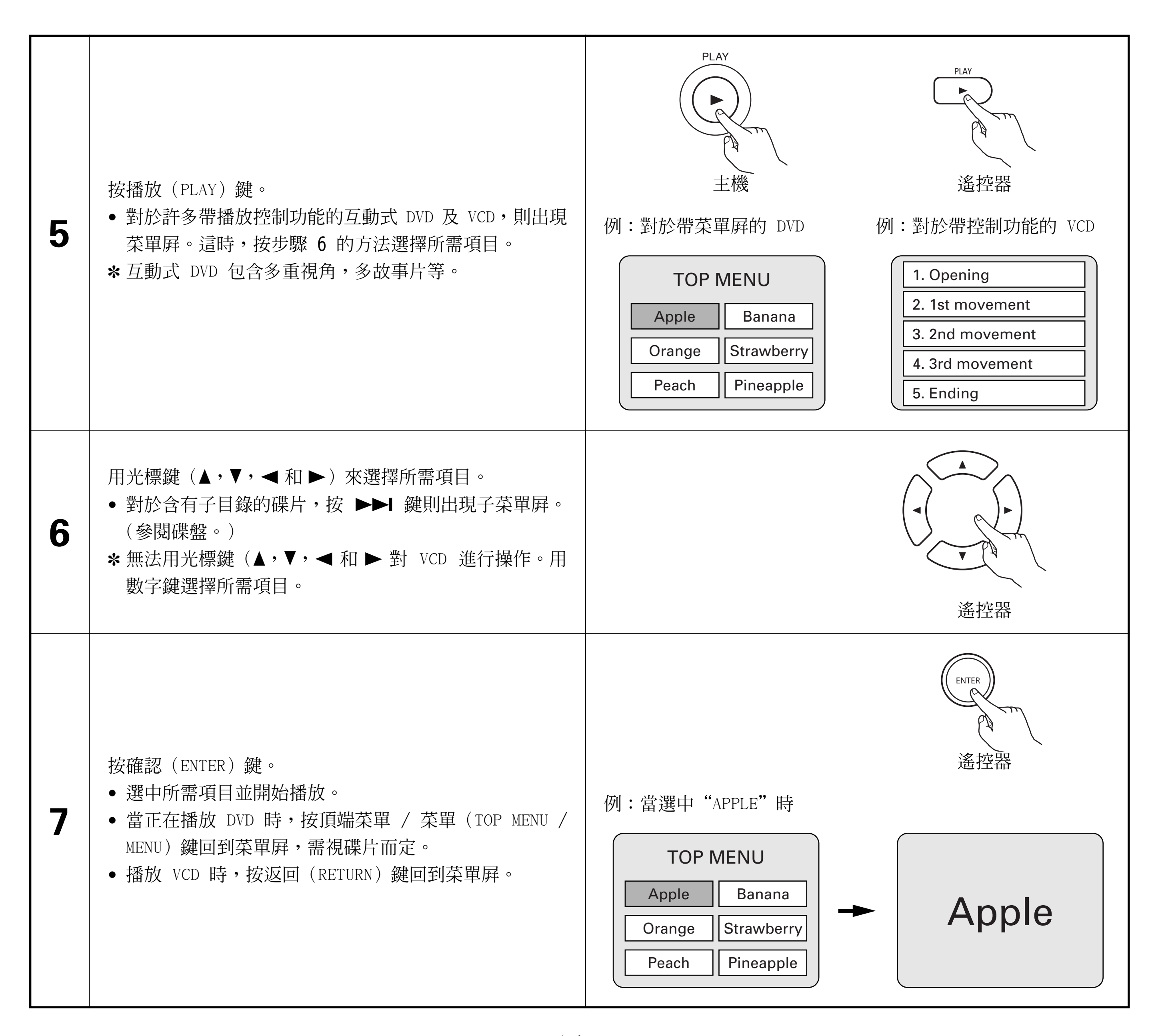
4	選擇“TV 類型（TV TYPE)”： • 顯示屏中將出現下列模式。 選擇欲設置的項目並按視頻模式（VIDEO MODE）旋鈕確認。 **MULTI** TV 兼容 NTSC 和 PAL 制式時，選擇該項。 **NTSC** TV 視頻制式爲 NTSC 時，選擇該項。 **PAL** TV 視頻制式爲 PAL 時，選擇該項。 選擇“緊縮模式（SQUEEZE MODE)”： • 顯示屏中將出現下列模式。 選擇欲設置的項目並按視頻模式（VIDEO MODE）旋鈕確認。 **關閉（OFF）** 選擇該項不改變屏幕尺寸顯示圖像。 **開啓（ON）** 欲在 16：9 電視機的中央顯示 4：3 比例尺寸播放 4：3 畫面時選擇該項。	VIDEO MODE PUSH E 主機 MULTI NTSC PAL VIDEO MODE PUSH E 主機 OFF ON

13 播放

(1) 播放



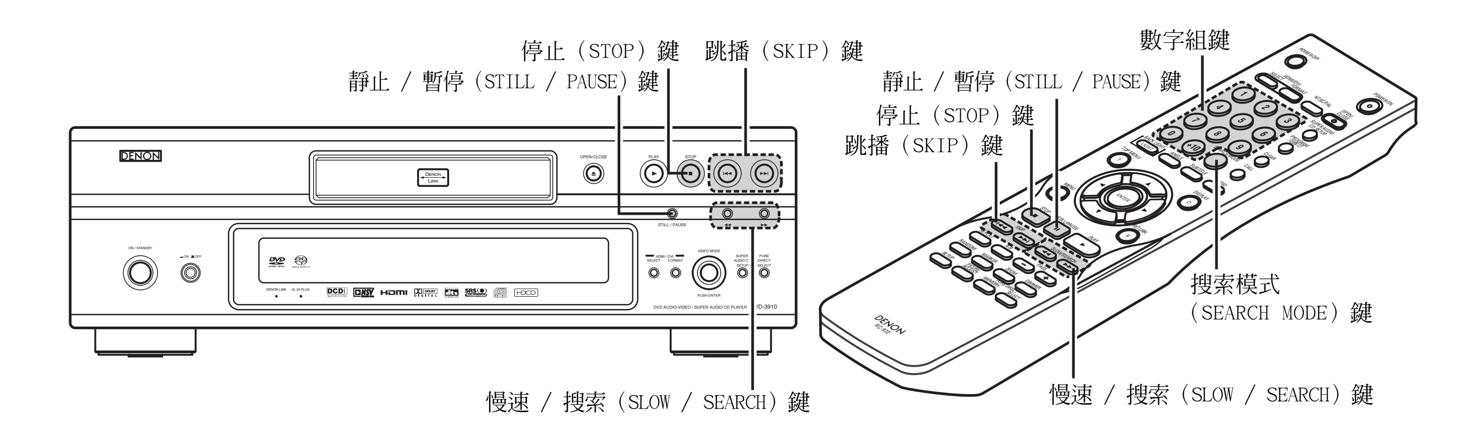
1	打開電源。 • 電源指示燈亮起爲綠色，電源開啓。 再次按鍵，電源關閉且指示燈關閉。 • 在候用模式下（電源指示燈亮起爲紅色），按主機上的開啓 / 候用（ON / STANDBY）鍵或 RC-972 上的電源開啓（POWER ON）鍵。	（綠色） ON / STANDBY ▲ON ■OFF 主機 （紅色） ON / STANDBY 主機 POWER ON 遙控器
2	按開啓 / 關閉（OPEN / CLOSE）鍵打開碟盤。	OPEN/CLOSE 主機 OPEN/ CLOSE 遙控器
3	將碟片裝入碟盤。	
4	按開啓 / 關閉（OPEN / CLOSE）鍵。	OPEN/CLOSE 主機 OPEN/ CLOSE 遙控器



步驟	說明
5	按播放（PLAY）鍵。 • 對於許多帶播放控制功能的互動式 DVD 及 VCD，則出現菜單屏。這時，按步驟 6 的方法選擇所需項目。 ✻ 互動式 DVD 包含多重視角，多故事片等。
6	用光標鍵（▲，▼，◀ 和 ▶）來選擇所需項目。 • 對於含有子目錄的碟片，按 ▶▶I 鍵則出現子菜單屏。（參閱碟盤。） ✻ 無法用光標鍵（▲，▼，◀ 和 ▶ 對 VCD 進行操作。用數字鍵選擇所需項目。
7	按確認（ENTER）鍵。 • 選中所需項目並開始播放。 • 當正在播放 DVD 時，按頂端菜單 / 菜單（TOP MENU / MENU）鍵回到菜單屏，需視碟片而定。 • 播放 VCD 時，按返回（RETURN）鍵回到菜單屏。

注意：

- 操作鍵鈕時，若在電視屏上出現 符號，則說明 DVD-3910 或碟片無法執行該操作。
- 將碟片放入碟片導軌。
- 請勿在碟盤中放入超過一張的碟片。
- 當菜單屏在電視屏上顯示時碟片仍保持旋轉。

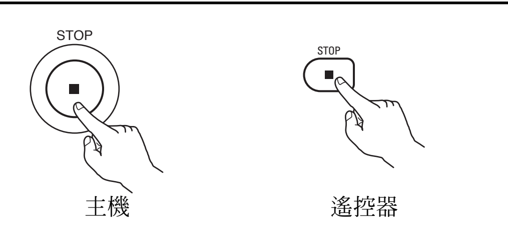


（2）停止播放

播放過程中，按主機或遙控器上的停止（STOP）鍵，播放停止且顯示壁紙。

< 繼續播放記憶功能（僅 DVD）>

- 按下停止（STOP）鍵，DVD-3910 會將該位置儲存在記憶中。此時，“▶”在顯示屏中閃爍。按下停止（STOP）鍵後再按下播放（PLAY）鍵，則從剛纔停止的地方開始繼續播放。開啓碟片或按 2 次停止（STOP）鍵後則取消繼續播放記憶功能。
- 在停止模式下 30 分鐘後，DVD-3910 的電源會自動關閉並設爲候用模式。（自動關閉電源）



主機　　遙控器

✻ 繼續播放記憶功能僅適用於播放時顯示已播放時間的碟片。

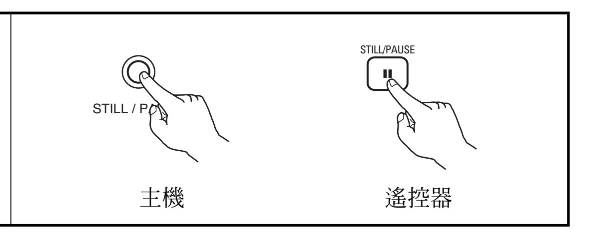
注：

- 在 DVD-VCD 播放菜單中恢復播放記憶功能無效。

（3）播放靜止圖像（暫停）

播放時，在主機或遙控器上按靜止 / 暫停（STILL / PAUSE）鍵。

- 按播放（PLAY）鍵繼續常規播放。



主機　　遙控器

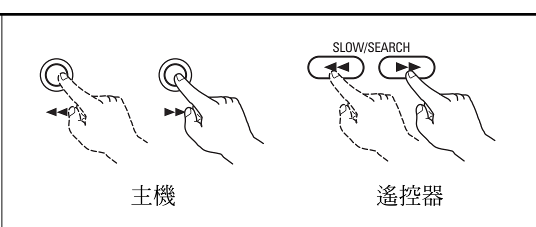
（4）向前 / 反向搜索

播放時，在主機或遙控器上按下慢速 / 搜索（SLOW / SEARCH）組鍵中的任一鍵。

◀◀ ：反向

▶▶ ：向前

- 再按一次，搜索速度增加。
- 對於超級 CD 和 CD 碟片可進行 4 步操作，而對於 DVD 音頻（影片），DVD 視頻及音頻 CD 碟片則可進行 7 步操作。
- 按播放（PLAY）鍵繼續常規播放。



主機　　遙控器

注：

- 有時在進行 VCD 菜單播放時按下一慢速 / 搜索（SLOW / SEARCH）組鍵，菜單屏會重新出現。

(5) 跳播至樂章或曲目的起始處

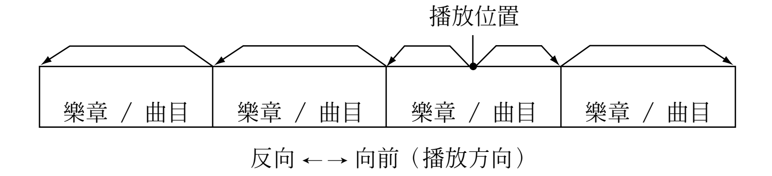
使用跳播(SKIP)鍵回位

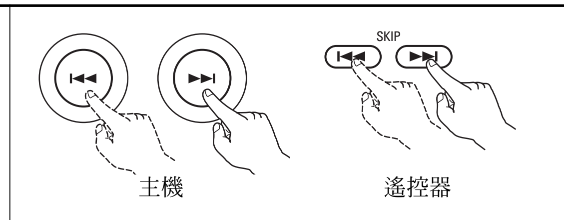
播放時,在主機或遙控器上按下跳播組鍵的任一鍵。

⏮ :反向(PREVIOUS)

⏭ :向前(NEXT)

- 按幾下鍵就跳播幾首曲目或樂章。
- 按一次跳播(SKIP)⏮ 鍵,唱頭回到當前播放樂章或曲目的起始處。





注:
- 在進行 VCD 菜單播放時按下一跳播(SKIP)鍵,有時會使菜單屏重新出現。

使用數字組鍵回位

在播放過程中按下搜索模式(SEARCH MODE)鍵。

- 每按一下該鍵搜索模式如下切換。

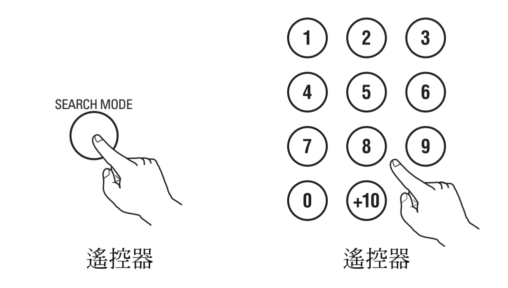
  DVD 音頻碟片 :組 → 曲目 →(組)→

  DVD 視頻碟片 :名稱 → 樂章 →(名稱)→

  超級 CD,CD 及 VCD :僅爲曲目

  ✻ 按下搜索模式(SEARCH MODE)鍵,所設置的搜索模式被存入記憶直到以後再次按下該鍵重新設定。

  但當電源關閉後,搜索模式將恢復至原先默認的模式。
- 使用數字組鍵輸入欲播放的編號。

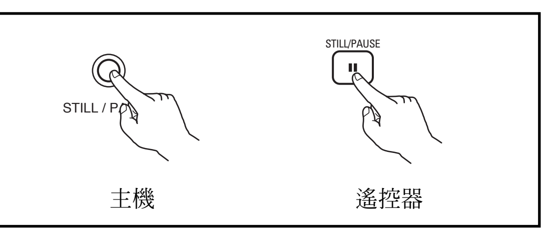


注:
- 有些 DVD 音頻,DVD 視頻及 VCD 碟片由於其生產廠商的特定意圖而無法按本操作手冊進行操作。

(6) 逐楨播放(僅用於 DVD 和 VCD)

播放時,在主機或遙控器上按靜止 / 暫停(STILL / PAUSE)鍵。

- 每按一次鍵圖像向前一楨。
- 按播放(PLAY)鍵繼續常規播放。
- 對於 DVD 音頻碟片,僅對於其中的視頻部分可進行向前逐楨跳播。



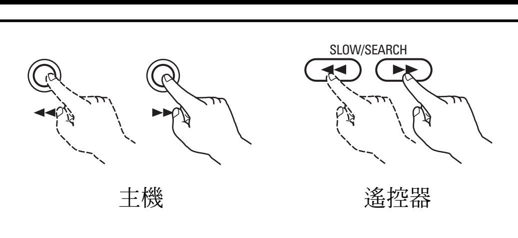
(7) 慢放(僅用於 DVD 和 VCD)

靜止模式下,在主機或遙控器上按慢速 / 搜索(SLOW / SEARCH)組鍵的任一鍵。

◀◀ :反向

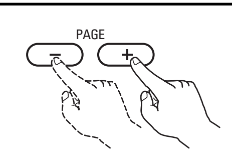
▶▶ :向前

- 再按一次,慢放速度增加。
- 按播放(PLAY)鍵繼續常規播放。
- 對於 DVD 音頻碟片,僅對於其中的視頻部分可執行向前慢速播放功能。



注:
- VCD 無法進行反向慢放。

(8) 選擇靜止圖像

在播放過程中，按下遙控器上的頁碼 +（PAGE +）或頁碼 –（PAGE –）鍵。 • 對於包含靜止圖像的 DVD 音頻碟片，可以選擇所需的圖像。 • 有些碟片上的圖像由於其生產廠商的特定意圖而無法選擇。	 PAGE 遙控器

(9) 播放特定曲目組（僅限於 DVD–音頻）

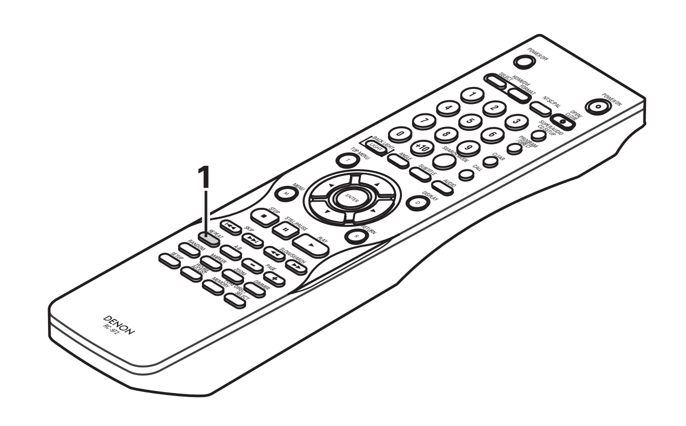
1	在停止模式下，按下遙控器上的搜索模式（SEARCH MODE）鍵，將搜索模式設定爲“組（GROUP）”。	SEARCH MODE 遙控器
2	使用數字組鍵輸入特定曲目組的編號。	1 2 3 4 5 6 7 8 9 0 +10 遙控器
3	使用遙控器上數字組鍵輸入密碼（4 位），然後按下確認（ENTER）鍵。 • 開始播放特定組內的第一首曲目。	ENTER 遙控器

• 有些情況下，必須在菜單屏中輸入密碼。在此情況下，請參照屏幕上的指示進行。
• 一旦輸入密碼，則可根據您的意願播放多次直至此碟片被取出。
• 若輸入密碼時出錯，則按下遙控器上的清除（CLEAR）鍵。

14 重復播放

■ 使用此功能重復您所喜歡的音頻，視頻部分。

重復播放（重播）



1

在播放模式下，按重播（REPEAT）鍵。
- 每按一次該鍵電視顯示轉換，設置相應的重復模式或常規模式。

REPEAT

遙控器

① DVD 音頻碟片

- 常規播放
- 曲目重播
  TRACK REPEAT
- 組重播
  GROUP REPEAT
- 取消重播
  REPEAT OFF

② DVD 視頻碟片

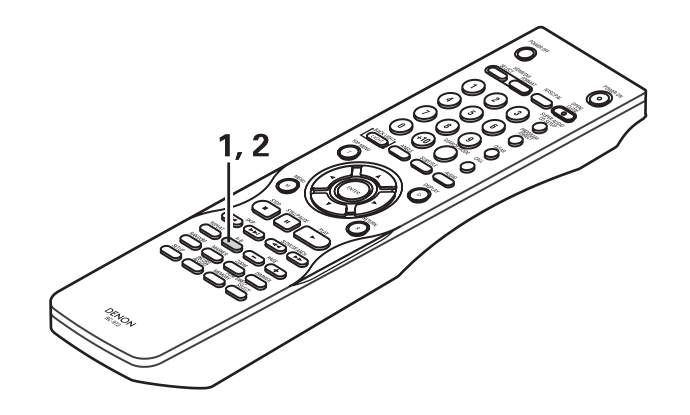
- 常規播放
- 樂章重復
  CHAPTER REPEAT
- 字幕重播
  TITLE REPEAT
- 取消重播
  REPEAT OFF

③ 對於 VCD，超級 CD 和音樂 CD

- 常規播放
- 曲目重播
  TRACK REPEAT
- 整片重播
  DISC REPEAT
- 取消重播
  REPEAT OFF

✻ 恢復至常規播放：
按重播（REPEAT）鍵直至“取消重播（REPEAT OFF）”出現在電視屏幕上，恢復至常規播放。

重復播放特定部分（A-B 重復播放）



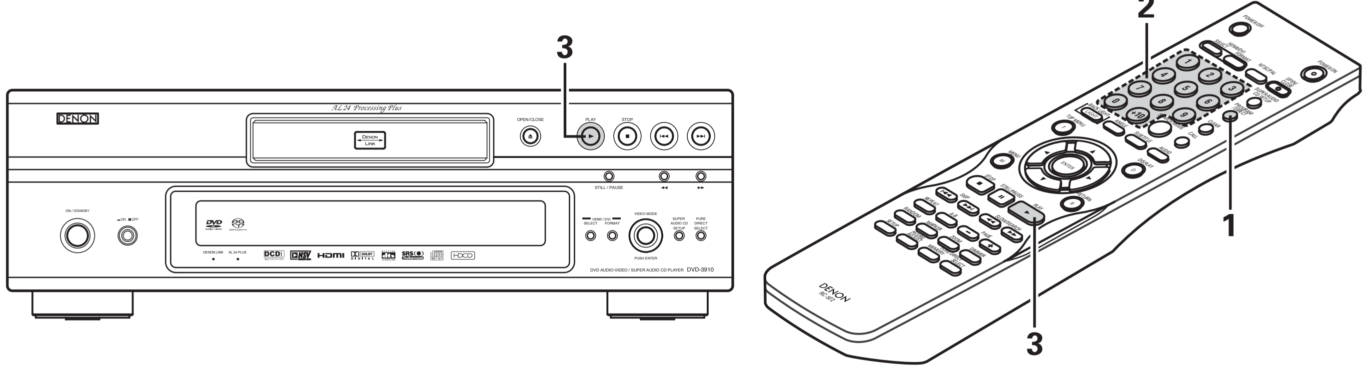
1	在播放過程中，按下 A-B 鍵。 • 設置起始點 A。	A-B 遙控器 A TO B　SET A
2	再次按下 A-B 鍵。 • 設置結束點 B，A-B 部分重播開始。	A-B 遙控器 A TO B　SET B

✽ 恢復至常規播放：
按下 A-B 鍵直至屏幕顯示“A 至 B 取消（A TO B CANCELLED)”字樣。

注意：
- 有些 DVD 不可重播。
- 播放 DVD 和 VCD 時，若沒有顯示已播放時間，重播功能和 A-B 重播功能無法實現。
- 某些情況下，A-B 重播時，近 A，B 兩點處字幕有可能無法顯示。

15 按所需順序播放曲目

■ 對於 DVD-音頻碟片，VCD，超級 CD 和音樂 CD 使用該功能以便在所需順序下播放曲目。
■ 該功能對 DVD-視頻碟片無效。

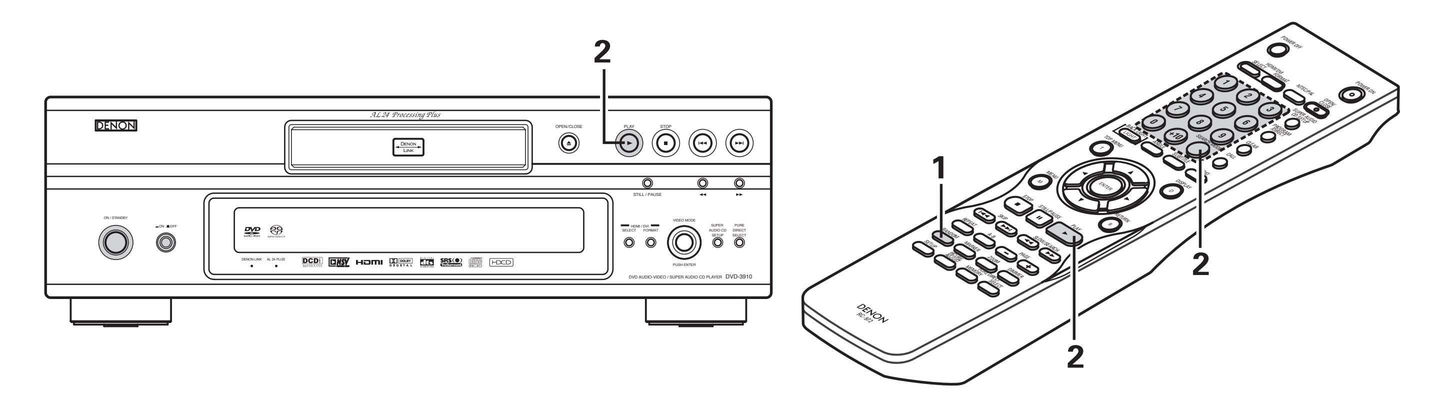


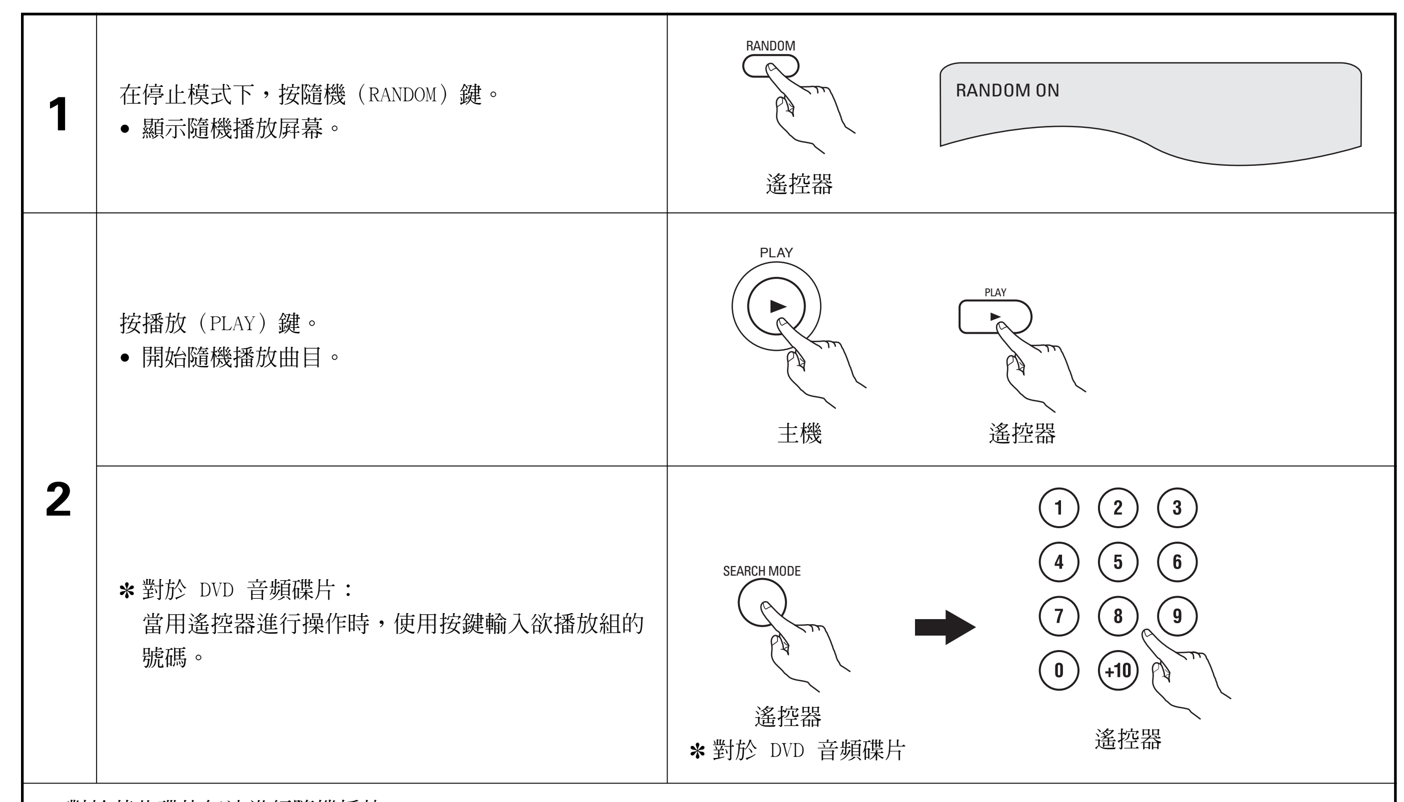
1	在暫停模式下，按一次編序 / 查看（PROGRAM / DIRECT）鍵。 • 顯示程序選擇屏幕。	PROGRAM /DIRECT 遙控器 PROGRAM NO. TRACK 1 _ _ MODE : NORMAL TOTAL TIME : - - : - - INPUT : 0 - 9, +10 CLEAR : CLEAR BUTTON
2	使用數字鍵選擇您所要編序的曲目號。 **例**：對曲目 5 和曲目 12 進行編序 • 按下“5”。 • 按下“+10”和“2”。 • 對於 DVD-音頻，可用一組數字進行指定和編序。但無法對額外的曲目進行編序。	1 2 3 4 5 6 7 8 9 0 +10 遙控器 PROGRAM NO. TRACK 1 05 2 12 3 _ _ MODE : NORMAL TOTAL TIME : 10 : 35 INPUT : 0 - 9, +10 CLEAR : CLEAR BUTTON
3	按播放（PLAY）鍵。 • 按編序順序開始播放。	PLAY 主機 PLAY 遙控器

✻ 恢復至常規播放：
按停止（STOP）鍵結束編序播放，再按編序 / 順播（PROGRAM / DIRECT）鍵。
按播放（PLAY）鍵從碟片開始處開始常規播放。
✻ 從編序中清除曲目：
按停止（STOP）鍵。編序播放屏幕出現，按清除（CLEAR）鍵清除程序中最後一首曲目。
✻ 清除整個編序：
當電源關閉或碟片退出時，清除整個編序。
✻ 在停止模式下按呼叫（CALL）鍵查看編序內容。編序內容逐步顯示。
✻ 可對多達 20 首曲目進行編序。

16 按隨機順序播放曲目

■ 使用該功能可隨機播放 VCD，超級 CD 和音樂 CD。
　對於 DVD-音頻碟片，在選定的組中進行隨機播放。
■ 該功能對 DVD-視頻不起作用。



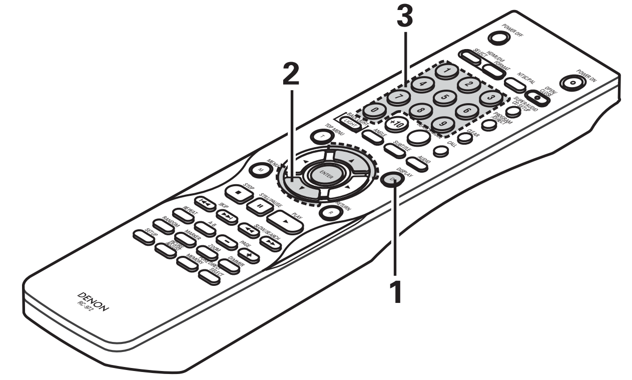


1	在停止模式下，按隨機（RANDOM）鍵。 • 顯示隨機播放屏幕。	RANDOM RANDOM ON 遙控器
2	按播放（PLAY）鍵。 • 開始隨機播放曲目。	PLAY 主機 PLAY 遙控器
	✻ 對於 DVD 音頻碟片： 當用遙控器進行操作時，使用按鍵輸入欲播放組的號碼。	SEARCH MODE 遙控器 ✻ 對於 DVD 音頻碟片 1 2 3 4 5 6 7 8 9 0 +10 遙控器

• 對於某些碟片無法進行隨機播放。
✻ 恢復至常規播放：
　按停止（STOP）鍵結束隨機播放，再按隨機（RANDOM）鍵一次。

17 使用屏幕顯示

■ 用該功能顯示和改變碟片（片名，樂章，時間等）上的信息。



1

播放模式下，按顯示（DISPLAY）鍵。
- 出現 ON-SCREEN 顯示。
- 每按一次鍵電視屏上的圖像切換一次。
- 顯示項目因碟而異。

DISPLAY
遙控器

實例：DVD 音頻碟片

- 常規播放屏幕
- 碟片信息屏幕

GROUP 01/02 TRACK 01 /10
GROUP ELAPSED 0 : 00 : 01

GROUP REMAIN 0 : 57 : 59
TRACK ELAPSED 0 : 00 : 01
TRACK REMAIN 0 : 05 : 59

- 碟片信息屏幕

AUDIO 1/1 : PPCM 5.1 ch/ 96 kHz/24 BIT

實例：DVD 視頻碟片

- 常規播放屏幕
- 碟片信息屏幕

TITLE 01/10 CHAPTER 01 /10
TITLE ELAPSED 00 : 00 : 01

TITLE REMAIN 01 : 10 : 59
CHAPTER ELAPSED 00 : 00 : 01
CHAPTER REMAIN 00 : 40 : 59

- 碟片信息屏幕

AUDIO 01/2 : DOLBY D3/2.1 ENGLISH
SUBTITLE OFF

實例：對於 VCD，超級 CD 和音樂 CD

- 常規播放屏幕
- 碟片信息屏幕

TRACK 05/ 10
✻SINGLE ELAPSED 02 : 11

SINGLE REMAIN 03 : 17
TOTAL ELAPSED 26 : 15
TOTAL REMAIN 32 : 05

✻ 某些超級 CD 包含文字信息。此時，在停止模式下顯示專輯標題和藝術家，在播放模式下顯示當前播放曲目的標題。

2

用 ▲ 和 ▼ 遊標鍵選擇欲改變的項目。
- 選中的項目被框上黃框。

① DVD 音頻碟片
　可選擇組和曲目的已播放時間。
② DVD 視頻碟片
　可選擇名稱和樂章的已播放時間。
③ VCD，超級 CD 和音樂 CD
　可選擇曲目的已播放時間。

遙控器

3

① 改變剩餘時間
　使用數字鍵輸入，然後按確認（ENTER）鍵。
　例如：輸入 1 分 26 秒 → “00126” ：DVD / 超級 CD
　　　　　　　　　　　 → “0126” ：VCD / CD

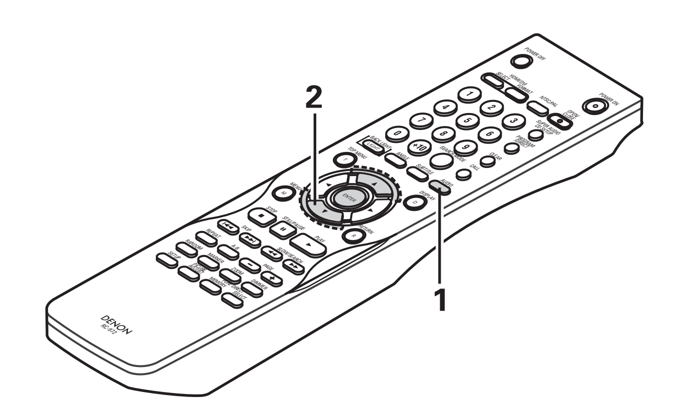
② 改變片名，曲目或樂章
- 對於 DVD
  使用數字鍵輸入，然後按確認（ENTER）鍵。
  （對於某些碟片無法改變片名或樂章。）
- 對於 VCD，超級 CD 和音樂 CD
  使用數字鍵輸入。從該曲目開始播放。

1 2 3 4 5 6 7 8 9 0　ENTER
遙控器　遙控器

18 使用多重音頻，字幕和視角功能

切換音頻語言（多重音頻功能）

■ DVD 包含有多重音頻語種信號，在播放時可以切換多種音頻語言。



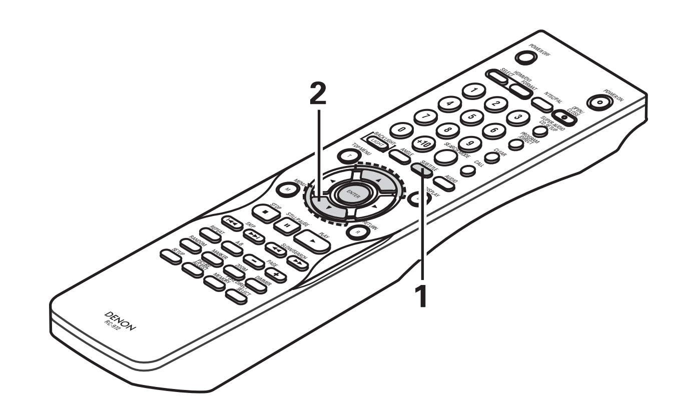
1	播放時，按音頻（AUDIO）鍵。 • 顯示當前音頻語種號碼。	AUDIO 遙控器	AUDIO 1/3 :DOLBY D3/2.1 ENGLISH
2	使用光標鍵 ▲ 和 ▼ 選擇所需的語言。 • 按下音頻（AUDIO）鍵時顯示關閉。	▲ ▼ 遙控器	AUDIO 2/3 :DOLBY D3/2.1 FRENCH

注意：

- 對於某些碟片在播放中無法改變音頻語言。在此情況下，選擇 DVD 菜單。（參閱第 146 頁。）
- 按幾次光標鍵 ▲ 和 ▼ 所需的語種仍未被設定，則此碟片不包含該種語言。
- 開啓電源或調換碟片時，音頻語種設定爲默認位置（參閱第 105 頁。）

切換字幕語種（多重字幕功能）

■ DVD 包含多重字幕語種信號，在播放時可以切換字幕語種。



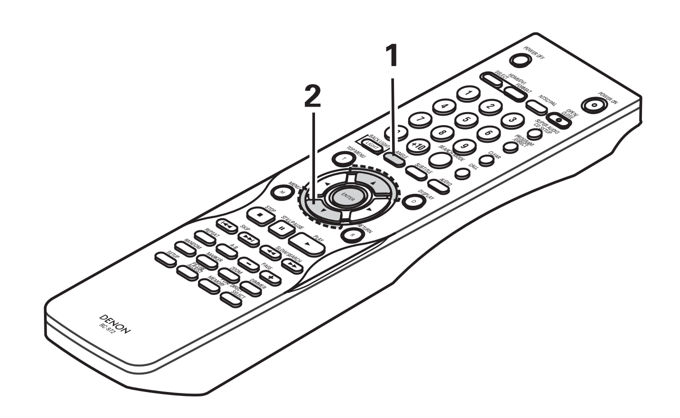
1	播放時，按字幕（SUBTITLE）鍵。 • 顯示當前字幕語種數碼。	SUBTITLE 遙控器 SUBTITLE 01/03 : ENGLISH
2	使用光標鍵 ▲ 和 ▼ 選擇所需的語言。 • 按下字幕（SUBTITLE）鍵顯示關閉。	▲ ▼ 遙控器 SUBTITLE 02/03 : FRENCH

注意：

- 按幾次光標鍵 ▲ 和 ▼ 所需的語種仍未被設定，則此碟片不包含該種語言。
- 開啓電源或調換碟片時，字幕語種設定爲默認位置（參閱第 105，106 頁。）
  若碟片不包含該種語言，則按碟片的默認語種設置。
- 切換字幕語種時，新語種顯示需要幾秒時間。
- 播放的碟片若支持特定的對白，這時字幕與特定對白可能在電視屏幕上互相重疊。
  此種情況下，關閉字幕。

切換視角（多重視角功能）

■ DVD 包含多重視角信號，在播放時可以切換多重視角。



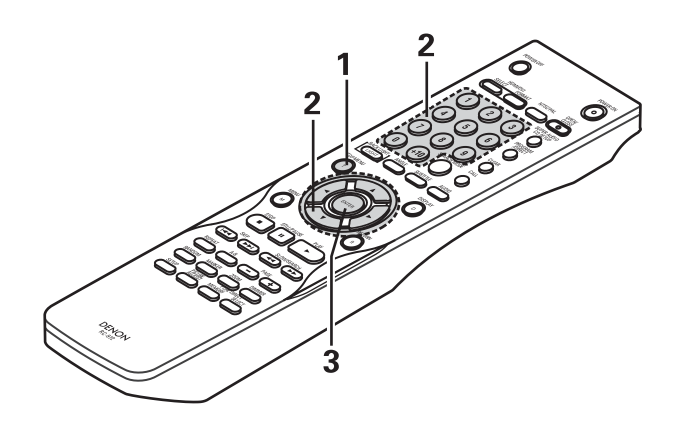
1	播放時，按視角（ANGLE）鍵。 • 顯示當前視角號碼。	ANGLE 遙控器 3 / 5
2	使用光標鍵 ▲ 和 ▼ 選擇所需的視角。 • 按下視角（ANGLE）鍵顯示關閉。	▲ ▼ 遙控器 4 / 5

注意：
- 多重視角功能僅適用於已錄制了多重視角的碟片。
- 當播放以多視角模式錄制的部分片段時，主機顯示屏上的“視角（ANGLE）”指示燈亮起。
- 可切換多視角錄制的場景的視角。

19 使用菜單

使用頂端菜單

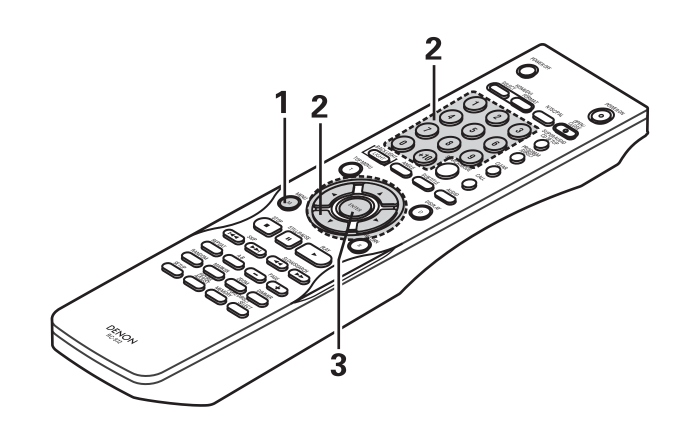
■ DVD 包含多重片名的，可選擇所需片名並從頂端菜單開始播放。



1	播放時，按頂端菜單（TOP MENU）鍵。 • 顯示頂端菜單。	TOP MENU 遙控器 實例： TOP MENU Apple　Banana Orange　Strawberry Peach　Pineapple
2	使用光標鍵或數字鍵選擇所需的片名。 • 若您使用數字鍵選擇片名號碼，跳過步驟 3 操作。	▲ ◄ ► ▼ 遙控器 1 2 3 4 5 6 7 8 9 0 +10 遙控器 實例： 選擇了“Orange” TOP MENU Apple　Banana Orange　Strawberry Peach　Pineapple
3	按確認（ENTER）鍵。 • 開始播放。 • 若按播放（PLAY）鍵亦開始播放。	ENTER 遙控器

使用 DVD 菜單

■ 部分 DVD 包含特殊菜單，名爲 DVD 菜單。
例如，內容復雜的 DVD 可能包含引導菜單，多語種的 DVD 可能包含音頻與字幕語種菜單。
這些菜單被稱爲“DVD 菜單”。
這裡我們簡述 DVD 菜單使用的基本步驟。

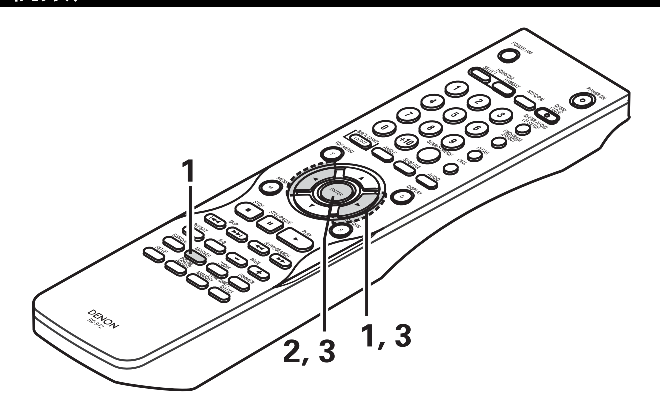


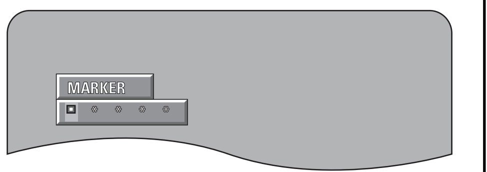
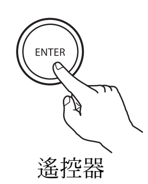
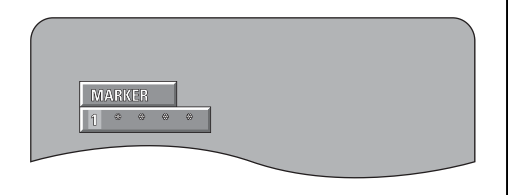
1	播放中按菜單（MENU）鍵。 • 顯示 DVD 菜單。	MENU 遙控器 實例： DVD MENU 1. SUB TITLE 2. AUDIO 3. ANGLE
2	使用光標鍵或數字鍵選擇所需的項。 • 若使用數字組鍵選擇，請跳過以下第 3 步。	遙控器 1 2 3 4 5 6 7 8 9 0 +10 遙控器 實例： 選擇“音頻（AUDIO）” DVD MENU 1. SUB TITLE 2. AUDIO 3. ANGLE
3	按確認（ENTER）鍵。 • 設置被選項。 • 若出現更多的菜單，請重復第 2 與第 3 步。	ENTER 遙控器

20 標注欲再次觀看的片段

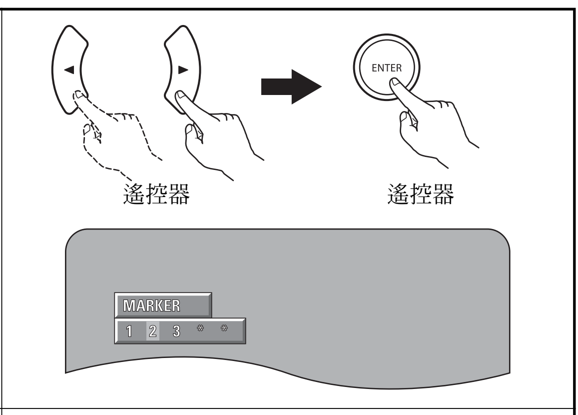
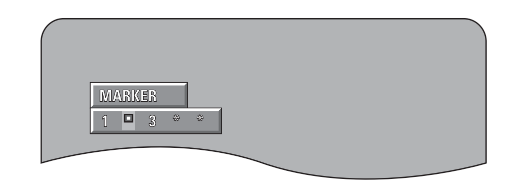
■ 在欲再次觀看的片段處做標記，即可在任何時候從標記處開始播放。

做標記（DVD-音頻 / DVD-視頻）



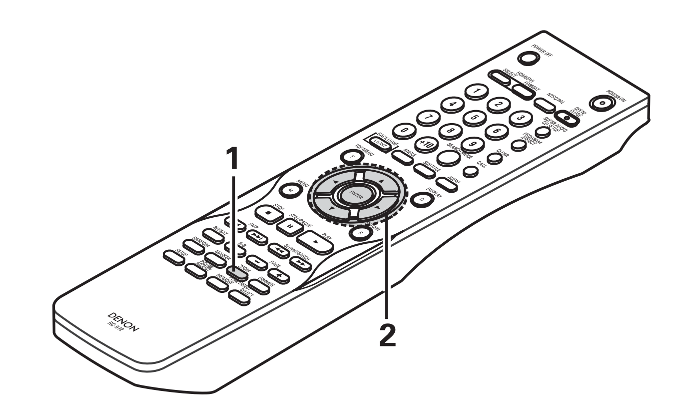
1	在播放過程中，按標記（MARKER）鍵。 • 出現標記屏。 • 使用 ◄ 和 ► 遊標組鍵選擇“*”標志。 • 若未設置標記，則顯示“*”。	 遙控器	
2	在欲做標記的片段處按下確認（ENTER）鍵。 • 顯示一個數字。 • 可設置多達 5 個標記。 （欲選擇另一個標記，按遊標組鍵（◄，►）。）	 遙控器	

喚出標記場景和清除標記

3	使用 ◄ 和 ► 遊標組鍵選擇已標注的記號，並按確認（ENTER）鍵。 • 若在播放過程中未顯示已做標記的片段，按標記（MARKER）鍵使其顯示。	
✻ 欲清除標記顯示： 按標記（MARKER）鍵。 ✻ 欲清除標記： 使用 ◄ 和 ► 遊標組鍵選擇標記號，並按清除（CLEAR）鍵。 • 可清除現存的標記，但當打開碟片槽或切換主機至候用狀態時標記會被重新儲存。		

注意：
- 當主機切換至候用狀態或碟片槽打開時，所有在該主機中所做的標記會被清除。
- 根據標記設置的位置，字幕可能無法顯示。

21 在縮放模式下播放



1	在播放或暫停模式下，按下縮放（ZOOM）鍵。 • 每按一次縮放（ZOOM）鍵，縮放率增加。 對於 DVD 視頻碟片和 VCD： 關閉（OFF）→ ×1.5 → ×2 → ×4 → 關閉（OFF） 對於 DVD 音頻碟片： 關閉（OFF）→ ×2 → ×4 → 關閉（OFF） • 當“設置（SETUP）”中“其他設置（OTHER SETUP）”的“播放機模式（PLAYER MODE）”設爲“音頻（AUDIO）”時，在靜止圖像中無法進行縮放。	ZOOM 遙控器
2	使用遊標組鍵（▼，▲，◄ 和 ►）移動縮放圖片。	遙控器

注意：
- 對於某些片段縮放功能無效。
- 在最上層菜單或菜單屏中無法進行縮放。
- 放大圖像時，圖像質量可能會減低且圖像可能變模糊。
- 當圖像放大時，圖像質量可能會降低且會變模糊。

22 播放 MP3

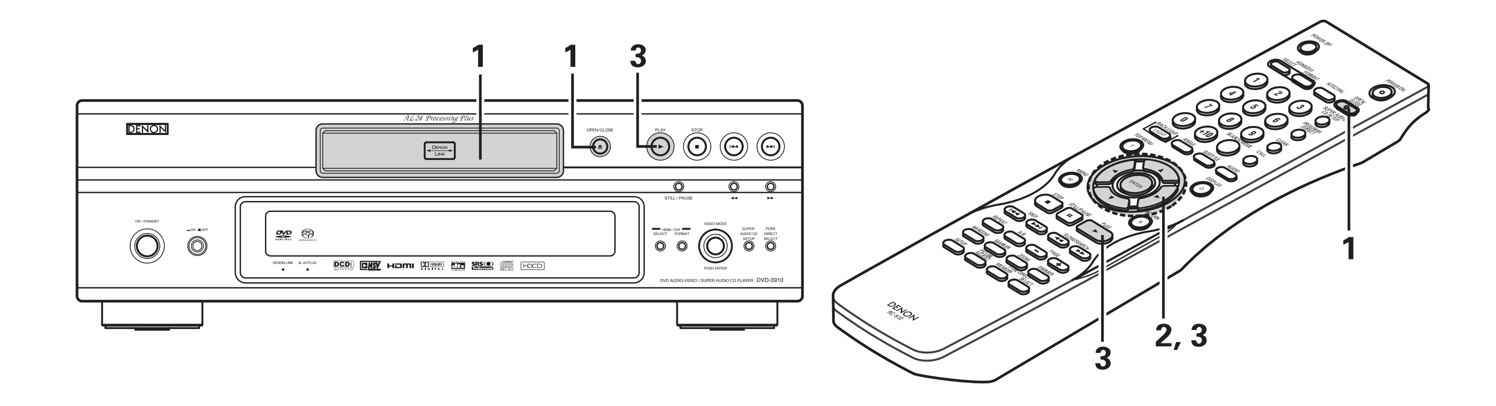
收聽 MP3 CD，CD-Rs 和 CD-RWs

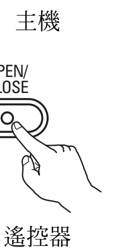
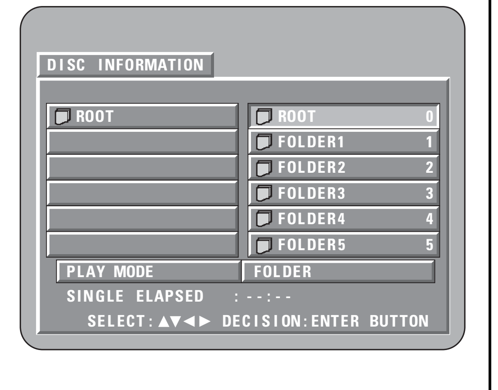
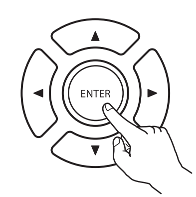
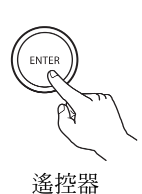
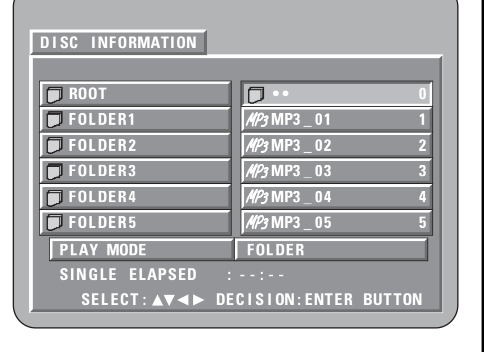
■ 在 Internet 網上有許多音樂下載站點，從這些站點上可以下載 MP3 格式的音樂文件。音樂下載說明可參見各網站，將其刻錄在 CD-R / RW 碟片上後便可在 DVD-3910 上播放。

當通過 MP3 解碼器（轉換軟件）將一張市售的音樂 CD 上的音樂轉爲計算機的 MP3 格式時，12cm 大小 CD 上的數據將變爲原先大小的 1 / 10。因此，當轉爲 MP3 格式時，大約 10 張音樂 CD 上的數據可以全部轉到一張 CD-R / RW 碟片上。一張 CD-R / RW 碟片可以放置 100 多首曲目。

✻ 當使用標準比特率 128kbps 將 5 分鐘的曲目轉爲 MP3 文件時，使用容量爲 650MB 的 CD-R / RW 碟片。

✻ 未經版權所有者許可使用非個人欣賞的錄音是版權法所不允許的。



1	將已錄有 MP3 格式音樂文件的 CD-R / RW 碟片放入 DVD-3910。 （參閱第 101 頁。） • 碟片放入 DVD-3910 時，顯示碟片信息屏。 • 如有多級目錄請至步驟 2。 • 如碟片無目錄，請至步驟 3。	OPEN/CLOSE  主機  遙控器	
2	使用（▼，▲，◄ 和 ►）遊標組鍵選擇含欲播放文件的目錄，然後按確認（ENTER）鍵。 **✻ 改變目錄** 使用遊標鍵選擇"根目錄（ROOT）"，然後按確認（ENTER）鍵。重現步驟 1 中的屏幕。選擇所需目錄。	 遙控器  遙控器	

3

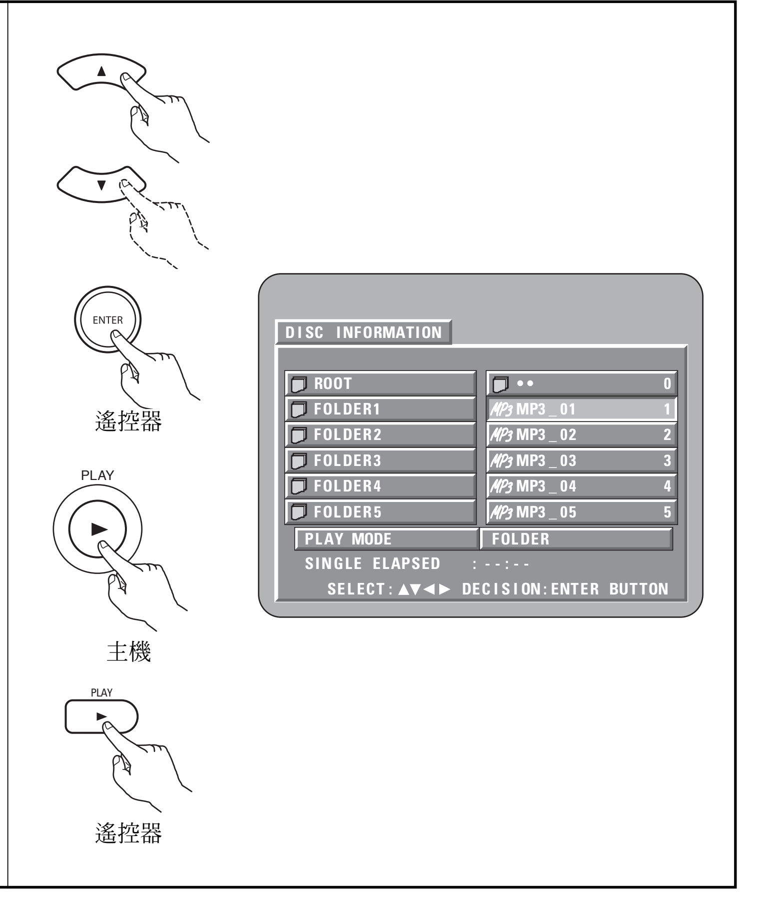
使用 ▲ 和 ▼ 遊標組鍵選擇欲播放的 MP3 文件，然後按播放（PLAY）鍵或確認（ENTER）鍵。
• 開始播放。

✻ 按顯示（DISPLAY）鍵切換單曲已播放時間，單曲剩餘時間和曲目名顯示。
✻ 無法對 MP3 碟片執行編序播放。

✻ **改變 MP3 文件**
按停止（STOP）鍵，然後使用 ▲ 和 ▼ 遊標組鍵再次選擇所需 MP3 文件。
✻ **設置隨機播放模式**
停止模式下，按隨機（RANDOM）鍵。
然後按播放（PLAY）鍵或確認（ENTER）鍵。
✻ **設置重播模式**
每按一下重播（REPEAT）鍵，重播模式改變。

→ FOLDER → TRACK REPEAT → FOLDER REPEAT →

✻ **返回至最初的碟片信息屏幕**
按停止（STOP）鍵，使用遊標鍵選擇“根目錄（ROOT）”，然後按確認（ENTER）鍵。
第 1 步中的屏幕重現。



注意：

- DVD-3910 兼容“MPEG-1 音頻層 3”標準（取樣頻率 44.1kHz 或 48kHz）。它不與其他標準相兼容，如“MPEG-2 音頻層 3”，“MPEG-2.5 音頻層 3”，MP1，MP2 等。
- 由於碟片質量問題，如灰塵，變形等可能無法播放有些 CD-R / RW 碟片。
- 當播放 MP3 信號轉爲 PCM 的 MP3 文件時，無論音頻輸出預設是否設爲“常規（NORMAL）”或“播放控制菜單（PCM）”，都將輸出數碼信號。信號按音樂源相同的取樣頻率輸出。
- 總之，MP3 的比特率越高，音質越好。使用 DVD-3910 時，我們建議使用按 128kbps 或更高的比特率錄制 MP3。
- MP3 無法按預定的順序播放，因爲刻錄軟件在將曲目寫入 CD-R / RW 時可能改變目錄和文件的順序。
- MP3 碟片無法進行編序播放。
- 在 CD-R / RW 碟片上寫入 MP3 時，選擇寫入軟件格式爲“ISO9660 電平 1”。對有些刻錄軟件可能無法執行。欲知詳情，請參閱刻錄軟件使用手冊。
- DVD-3910 可播放的文件數約爲 600 或更少。
- DVD-3910 可以在顯示屏上顯示目錄名及文件名。DVD-3910 可以顯示多至 8 個字符，包括數字，大寫字母，“_”（下劃線）標記。
- 若在除“ISO9660 電平 1”以外的其他格式中錄制，可能無法正常顯示及播放。另外，包含其他字符的目錄及文件名可能無法正確顯示。
- 請確認在 MP3 文件後加入後綴“.MP3”。不是“.MP3”後綴或無後綴的文件無法播放。（對 Macintosh 計算機，當包含 8 位字符或數字的文件名的後綴加上“.MP3”且錄制在 CD-R / RW 上時，可以進行 MP3 播放。）
- 切勿將粘膠，膠帶等物貼至 CD-R / RW 碟片的標簽面或信號面。若粘合物附著在碟片的表面，碟片可能夾在 DVD-3910 內而無法退出。
- DVD-3910 不兼容打包寫入軟件。
- DVD-3910 不兼容 ID3-Tag。
- DVD-3910 不兼容播放列表。
- DVD-3910 不兼容 MP3 PRO。
- 請勿播放含任何音樂 CD 文件（CD-DA格式），WMA，MP3 和 JPEG 文件以外文件的 CD-R / RW 碟片。這樣做會由於不同的文件類型而使碟片失靈或損壞碟片。

23 播放 WMA

■ 收聽 WMA（Windows 媒體音樂）CD-R / CD-RW
- 本機可播放以 WMA（Windows 媒體音樂）* 音頻壓縮格式錄制的 CD-R / RW音樂文件。



Windows 媒體和 Windows 標示是美國和 / 或其他國家微軟公司的商標，或注冊商標。

✻ WMA（Windows 媒體音樂）：微軟公司的新音頻編碼。
✻ 未經版權所有者許可使用非個人欣賞的録音是版權法所不允許的。

- 播放方式與第 149 和 150 頁中的“收聽 MP3 CD / CD-R / CD-RW”相同。
  - 在碟片信息屏的文件顯示中，WMA 文件以“WMA”圖標而非“MP3”圖標顯示。（無法播放不顯示“WMA”圖標的文件。將跳過該文件而播放下一個有圖標的文件。）

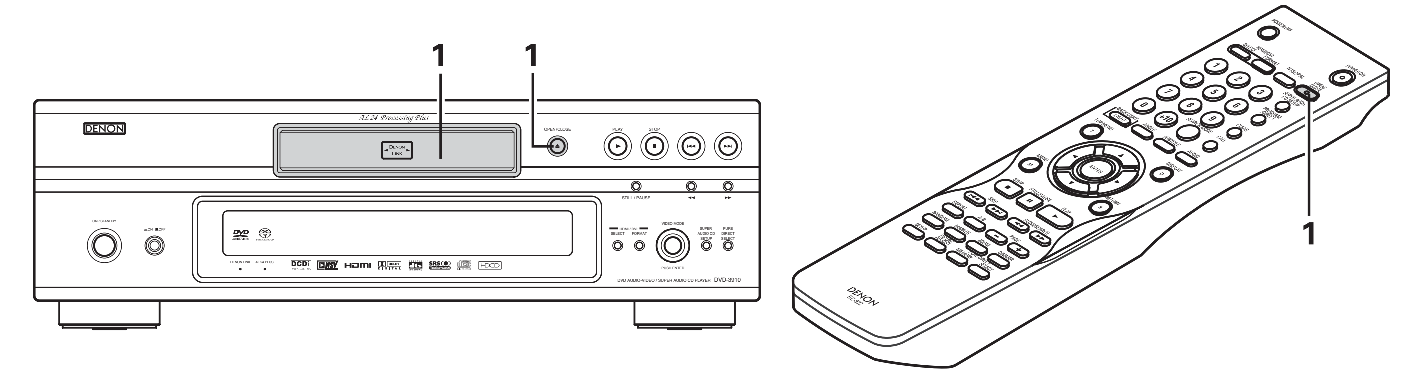
注意：
- 支持以 44.1kHz 和 48kHz 取樣頻率錄制的文件。
- 無法對 WMA 碟片進行編序播放。
- 無論初使設置如何，WMA 文件播放時的數碼輸出被轉化爲 PCM。
- 請使用與 ISO9660 電平 1 / 電平 2 CD-ROM 文件繫統配合錄制的碟片。（不包括擴展格式。）
- 無法播放版權保護的文件。同時根據寫入的軟件和環境，可能無法播放，或文件無法正確顯示。
- 由於碟片屬性，污垢，刮花，和其他因素可能無法播放 CD-R / RW。
- 帶“.wma”或“.WMA”後綴的 WMA 文件支持 64k 至 160kbps 比特率。
- 本機可在屏幕上顯示文件夾名和文件名。可顯示多達 11 個半角數字，大寫字母，字符和符號（包括帶下劃線的符號）。無法顯示漢字，平假名，片假名和其他字符。
- 在停止狀態下，可使用遙控器上的顯示（DISPLAY）鍵切換並顯示片名和藝術家名。（每個文件夾有多達 99 個文件的容量。）
- 建議在碟片的每個文件夾中錄制不超過 99 個文件。可進行多個文件夾配置；然而，根據不同的配置，可能無法識別和播放所有的文件夾和文件。
- 可播放多對話時間碟片，但限於播放少於 10 個對話時間的碟片。
- 使用遙控器上的數字鍵（0 至 9，和 +10）進行直接曲目選擇可爲每個文件夾配置多達 179 首曲目（179 個文件）。
  超過 179 首曲目，主機停止時，使用碟片信息屏中的遊標組鍵選擇文件，並使用播放鍵或確認（ENTER）鍵進行播放。

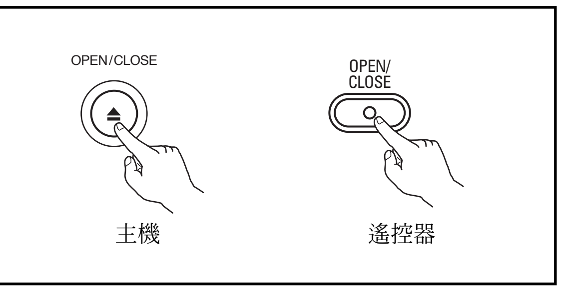
24 播放靜止圖像文件（JPEG格式）

■ 儲存在柯達（Kodak）Picture CD，Fujicolor CD，CD-R 和 CD-RW 中的 JPEG 文件可以幻燈片的形式在 DVD-3910 中播放。

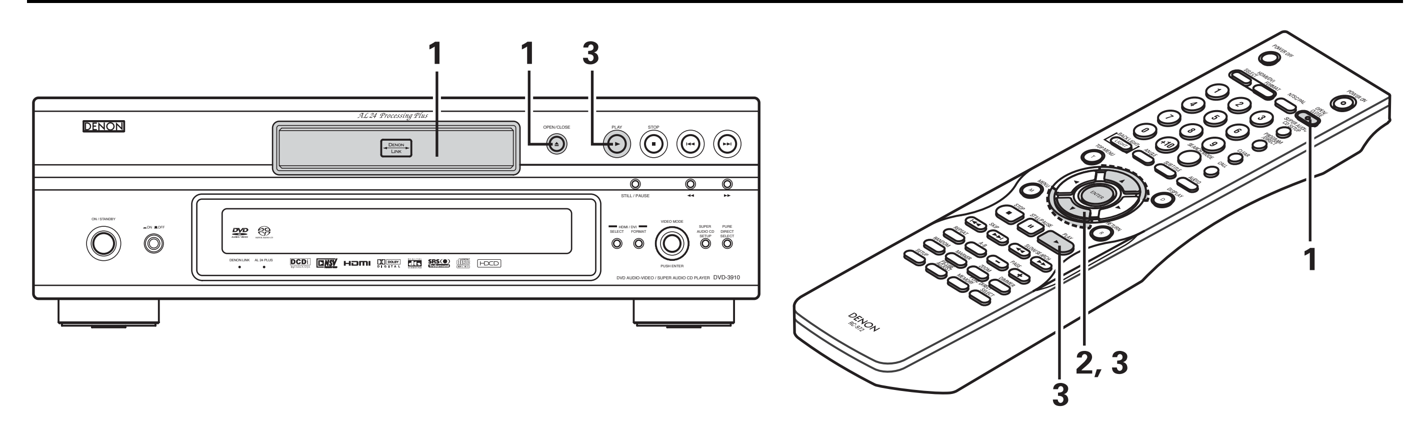
播放靜止圖像

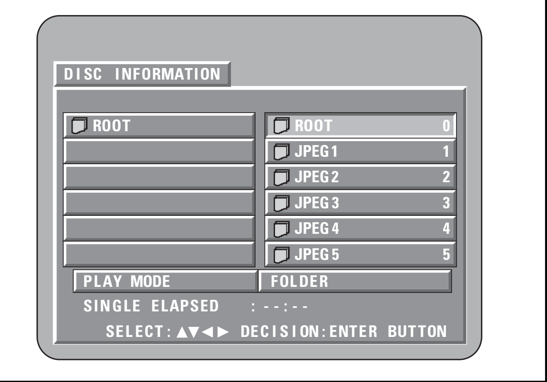
■ DVD-3910 可播放柯達（Kodak）Picture CD 和富士 Fujicolor CD。
播放 CD（錄制靜止圖像）時，CD 中的影像可顯示在電視機上。
（“圖片 CD（Picture CD）”和“Fujicolor CD”是將傳統電影攝像機錄制的影像轉換爲數碼數據並寫入 CD 的一種服務。欲知柯達（Kodak）Picture CD 的詳細情況，請洽提供柯達開發服務的經銷商。欲知 Fujicolor CD 的詳細情況，請洽提供富士照片膠卷開發服務的經銷商。）



1	將柯達 Picture CD 放入 DVD-3910 中。 • 放入碟片時，靜止圖像的幻燈片開始自動播放。 • 幻燈片連續播放直至按停止（STOP）鍵。 將 Fujicolor CD 放入 DVD-3910 中。 • 放入碟片時，自動顯示最多 9 張靜止圖像。 • 幻燈片連續播放直至按停止（STOP）鍵。	

播放儲存在 CD-R / RW 中的靜止圖像

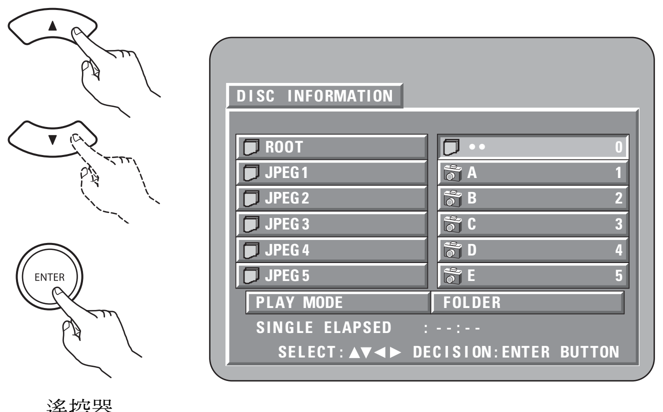


1	放入靜止圖像已被寫入 DVD-3910 的 CD-R / RW 碟片。 • 碟片放入 DVD-3910 時，顯示碟片信息屏。 • 如有多級目錄請至步驟 2。 • 如碟片無目錄，請至步驟 3。	

2

使用 ▲ 和 ▼ 遊標組鍵選擇含欲播放文件的目錄，然後按確認（ENTER）鍵。

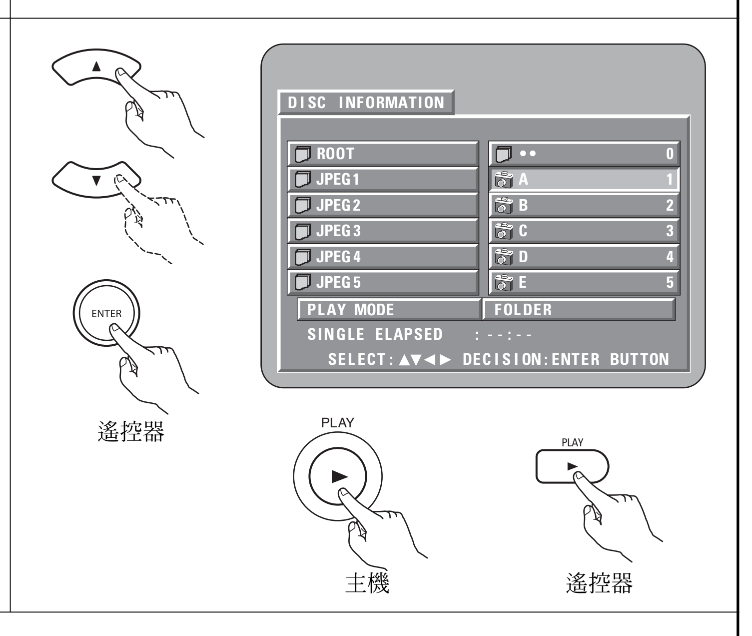
✻ 改變目錄
使用遊標鍵選擇“根目錄（ROOT）”，然後按確認（ENTER）鍵。重現步驟 1 中的屏幕。選擇所需目錄。



3

使用遙控器上的 ▲ 和 ▼ 遊標組鍵從欲開始播放的幻燈片段中選擇靜止圖像文件，然後按遙控器上的播放（PLAY）鍵或確認（ENTER）鍵。
- 開始播放幻燈片。
- 僅播放選中目錄中的靜止圖像文件。

✻ 一旦目錄中所有的靜止圖像文件播放結束，重現碟片信息屏。



✻ 立即觀看儲存在碟片中的部分靜止圖像：
- 選擇並觀看一張靜止圖像時（從特定的靜止圖像開始播放幻燈片段），使用遊標組鍵（▼，▲，◄ 和 ►）選擇所需的靜止圖像，然後按確認（ENTER）鍵。

✻ 暫停停止播放幻燈片：
- 按靜止 / 暫停（STILL / PAUSE）鍵。
- 恢復播放幻燈片，按播放（PLAY）鍵。

✻ 回位播放欲觀看的靜止圖像（從欲播放的幻燈片處開始）：
- 播放幻燈片段時，按跳播（SKIP）組鍵（I◄◄，►►I）中的一個鍵。按跳播（SKIP I◄◄ ）鍵恢復至前一張靜止圖像，按跳播（SKIP ►►I ）鍵向後播放下一張靜止圖像。

✻ 翻動旋轉靜止圖像：
- 使用遊標組鍵（▼，▲，◄ 和 ►）翻動靜止圖像。
  - ▲ 遊標鍵： 垂直翻動當前顯示的靜止圖像。
  - ▼ 遊標鍵： 水平翻動當前顯示的靜止圖像。
  - ◄ 遊標鍵： 逆時針 90° 旋轉當前顯示的靜止圖像。
  - ► 遊標鍵： 順時針 90° 旋轉當前顯示的靜止圖像。

✻ 在縮放模式下播放圖像。
- 使用搜索鍵縮放播放一 JPEG 圖像（此時顯示屏上出現“縮放開啓（ZOOM ON）”字樣）時按下縮放（ZOOM）鍵。
  ◄◄：縮小，►►：放大
- 縮放圖像時，使用遊標組鍵（▼，▲，◄ 和 ►）移動縮放圖片。
- 在縮放模式下無法進行連續播放（幻燈片播放（SLIDE SHOW））。
- 當文件的分辨率低時無法進行縮放。

✻ 可以選擇在連續播放 JPEG 圖像（幻燈片播放（SLIDE SHOW））是切換至下一張圖片的方式。
- 按下遙控器上的“搜索模式（SEARCH MODE）”鍵。
- 從幻燈片播放模式：1（SLIDE SHOW MODE:1）至模式：11（MODE:11）隨機模式（MODE:RAND），無模式（MODE:NONE）中進行選擇。

用於 WMA，MP3 和 JPEG 文件的特殊播放模式

使用 ◄ 和 ► 遊標組鍵選擇播放模式，▲ 和 ▼ 遊標組鍵選擇特殊播放模式。

- 目錄（FOLDER）（從選中的文件開始按序播放目錄中的 WMA，MP3 和 JPEG 文件）
- 重復目錄（FOLDER REPEAT）（從選中的文件開始重復播放目錄中的所有 WMA，MP3 和 JPEG 文件）
- 碟片（DISC）（從選中的文件開始按序播放碟片中的所有 WMA，MP3 和 JPEG 文件）
- 重復碟片（DISC REPEAT）（從選中的文件開始重復播放碟片中的所有 WMA，MP3 和 JPEG 文件）
- 隨機播放（RANDOM ON）（從選中的文件開始隨機播放目錄中的所有 WMA，MP3 和 JPEG 文件）
- 重復曲目（TRACK REPEAT）（重復播放選中的 WMA，MP3 和 JPEG 文件）

注意：

- DVD-3910 與以 JPEG 格式儲存的圖像數據兼容，但天龍不保證可以觀看所有以 JPEG 格式儲存的圖像數據。
- 可以顯示大小高達 30M 的文件。
- 由於碟片的屬性，干淨及刮痕程度等原因，有些 CD-R / RW 不能被播放。
- 在 CD-R / RW 中儲存 JPEG 文件時，將寫入程序設置爲“ISO9660 電平 1”格式以便存儲文件。
- 確保將 JPEG 文件的後綴名設爲“.JPG”和“.JPE”。帶其他後綴名或無後綴名的文件無法在 DVD-3910 中觀看。
- 請勿使 CD-R / RW 碟片的標簽面或數據面接觸粘物，膠帶等物質。若黏合劑粘上碟片表面，碟片將被粘在 DVD-3910 中而無法被取出。
- 請勿播放含任何音樂 CD 文件（CD-DA 格式），WMA，MP3 和 JPEG 文件以外文件的 CD-R / RW 碟片。這樣做會由於不同的文件類型而使碟片失靈或損壞碟片。
- 無法播放使用 Macintosh 計算機寫入的 JPEG 文件。

25 故障診斷

判斷播放機是否故障前請再次核實

■ **所有的連接均正確？**

■ **是否按照使用說明書操作？**

■ **功放及揚聲器是否正常工作？**

若 DVD-3910 不能正常工作請核對下列表格，若還不能排除故障，DVD-3910 可能已損壞。關閉電源，撥下插頭，請與您的經銷商或最近的 DENON 專賣店聯繫。

現像	檢查	頁數
電源無法開啓。	• 將電源插頭妥善插入插座。	86 ~ 96，98
按下播放（PLAY）鍵後無法播放。 立即停止播放。	• 碟片或播放機有水滴？（放置一至二小時。） • DVD，VCD，音樂 CD 以外的碟片無法播放。 • 碟片髒了。擦淨碟片。	– 84 85
畫面不顯示。	• 檢查連接。 • 請查看在純直入模式（PURE DIRECT MODE）下，視頻輸出（VIDEO OUT）未設爲“視頻輸出：關閉（VIDEO OUT：OFF）”或“所有關閉（ALL OFF）”。 • 設定電視機輸入端爲“視頻（VIDEO）”。 • 當 HDMI 或 DVI-D 端口輸出信號時，無分級信號從合成視頻端口輸出。欲使用合成視頻輸出，將 HDMI / DVI 選擇（HDMI / DVI SELECT）設爲“關閉（OFF）”。	86 ~ 96 123，124 – 95，96，129
沒有聲音或音質極差。	• 檢查連接。 • 正確設定電視機，立體聲等的輸入。 • 檢查“數碼輸出（DIGITAL OUT）”和“壓縮（COMPRESSION）”的設置。 • 超級 CD 無法輸出數碼信號。請使用摸擬接口。 • 正在播放的超級 CD 的區/層（多重 / 立體聲 / CD（MULTI / STEREO / CD））與功放接口不匹配。 • 當“純直入（PURE DIRECT）”的視頻輸出設置爲“視頻輸出：關閉（VIDEO OUT：OFF）”或“所有關閉（ALL OFF）”時，HDMI 接口無聲音。	86 ~ 96 – 114，117，118 90，91 90，91，124 123，124
VCD 無法進行菜單播放。	• 隻有當 VCD 處於播放控制時纔可進行菜單播放。	133
執行搜尋功能時畫面有擾動。	• 有些擾動是正常的。	–
按鍵不起作用。	• 對有些碟片來說有些操作無效。	133
無字幕顯示。	• DVD 不包括字幕時不顯示。 • 字幕被關閉，打開字幕設置。	– 105，106
音頻（或字幕）語種無法切換。	• 碟片中不包含多重音頻（字幕）語種，因此無法切換。 • 有些碟片在播放時無法切換，但能在菜單屏幕內切換。	142，143 146
視角無法切換。	• DVD 不含多重視角時無法切換，有時多重視角僅在某些特定場景錄制。	144
片名選定後不播放。	• 查看“限制等級設置（RATINGS）”的設置情況。	119，120
忘記了限制等級的密碼。 **將所有設置恢復至出廠默認設置。**	• 播放機在停止模式下時，同時按住播放機的跳播（SKIP ▶▶I）鍵和播放（PLAY）鍵，然後按開啓 / 關閉（OPEN / CLOSE）鍵超過 3 秒（直至電視屏幕上的“INITIALIZE（初始化）”字樣消失）。 鎖定被解除，且所有默認設置和圖片設置將恢復到默認値。	–
碟片未按默認設置的音頻或字幕語種播放。	• DVD 上不包含音頻或字幕語種時碟片無法以所選的音頻或字幕語種播放。	105 ~ 107
畫面無法以 4：3（或 16：9）顯示。	• 設置“屏幕尺寸（TV ASPECT）”的默認設置爲所連接電視機的正確設置。	112
所需的菜單屏幕信息語種不顯示。	• 檢查碟片語種中菜單語種的默認設置。	105 ~ 107

現像	檢查	頁數
從 HDMI / DVI 端口無法投射圖像。	• 檢查 HDMI / DVI 端口。（檢查與 HDMI / DVI 有關的指示燈的狀態。） • 檢查連接的顯示器設備或其他設備是否支持 HDCP。（除非其他設備支持 HDCP，否則 DVD-3910 無法輸出視頻信號。） • 檢查“HDMI / DVI 選擇（HDMI / DVI SELECT）”的設置。 • 檢查 DVD-3910（HDMI / DVI 格式（HDMI / DVI FORMAT））的輸出格式是否和其他相連設備支持的輸入格式相符。 • 檢查“純直入（PURE DIRECT）”的視頻輸出設置是否設爲“關閉（VIDEO OUT:OFF）”或“全部關閉（ALL OFF）”。	95，96 95，96 129 95，96 123，124
遙控器無效。	• 檢查電池插入位置是否正確，“⊕”和“⊖”極性是否正確。 • 電池用完，調換新的電池。 • 使用遙控器時對準遙控感應窗。 • 在距遙控感應窗 7 米內使用遙控器。 • 移去遙控感應窗與遙控器之間的障礙物。	99 99 99 99 99

26 主要規格

信號繫統：	NTSC / PAL	
可適用的碟片：	(1) DVD-音頻 / DVD-視頻碟片	
	12cm 單面單層碟片，12cm 單面雙層碟片，12cm 雙面雙層碟片（一面一層）	
	8cm 單面單層碟片，8cm 單面雙層碟片，8cm 雙面雙層碟片（一面一層）	
	(2) 超級 CD	
	12cm 單層碟片，12cm 雙層碟片，12cm 三層碟片	
	(3) CD 片（CD-DA，VCD）	
	12cm 碟片，8cm 碟片	
視頻輸出 S 端：	Y 輸出電平	：1Vp-p（75Ω / ohms）C 輸出電平：0.286Vp-p
	輸出連接端口	：S 連接端口，1 個
視頻輸出：	輸出電平	：1Vp-p（75Ω / ohms）
	輸出連接端口	：針插式插口，1 個
色差輸出：	Y 輸出電平	：1Vp-p（75Ω / ohms）
	PB / CB 輸出電平	：0.7Vp-p（75Ω / ohms）PR / CR 輸出電平：0.7Vp-p（75Ω / ohms）
	輸出連接端口	：針插式插口，1 個
HDMI 輸出：	輸出連接端口	：HDMI 端口，1 個
DVI 輸出：	輸出連接端口	：DVI-D 端口，1 個
音頻輸出：	輸出電平	：2Vrms
	2 聲道（左（L），右（R））輸出連接端口：針插式插口，1 個	
	多聲道（前左（FL），前右（FR），中置（C），低音炮（SW），環繞左（SL），環繞右（SR））	
	輸出連接端口：針插式插口，1 個	
音頻輸出特性：	(1) 頻響	
	① DVD（線性 PCM）	：2Hz 至 22kHz（48kHz 采樣）
		：2Hz 至 44kHz（96kHz 采樣）
		：2Hz 至 88kHz（192kHz 采樣）
	② 超級 CD	：2Hz 至 100kHz
	③ CD	：2Hz 至 20kHz
	(2) S / N比率	：120dB
	(3) 諧波失真	：0.0008%
	(4) 動態範圍	：110dB
數碼音頻輸出：	光學數碼輸出	：光學接口，1 個
	同軸數碼輸出	：針插式插口，1 個
	天龍連接端口輸出	：天龍連接（DENON LINK）端口，1 個
	IEEE1394 端口	：IEEE1394 端口，2 個
電源：	適用於東南亞機型	：交流 AC230V，50Hz
	適用於臺灣 R.O.C. 機型	：交流 AC120V，60Hz
功耗：	適用於東南亞機型	：39W
	適用於臺灣 R.O.C. 機型	：35W
最大外形尺寸：	434（寬）×137（高）×403（深）mm（17-3 / 32”×5-25 / 64”×15-55 / 64”）（包括突出部分）	
重量：	9.3kg（20 lbs 8 oz）	

■ 遙控器：	RC-972
類型：	紅外線脈衝
電源：	DC 3V，2 節 R6P / AA 電池

＊產品的任何涉及與規格改進將不再另行通告。

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